

BILLINGS Wrenches

FARR & READ CO., INC.

67-69 Richmond St.

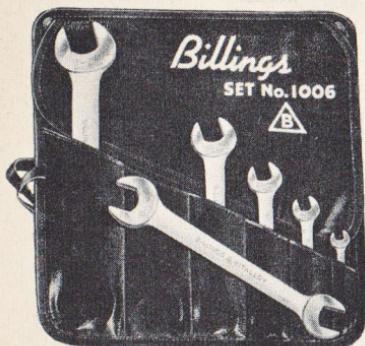
PROVIDENCE, R. I.



THE BILLINGS & SPENCER CO.
HARTFORD 1, CONN., U.S.A.

W - 48 - 2

BILLINGS Vitalloy WRENCHES IN SETS



SET NO. 1006

BILLINGS Vitalloy ENGINEERS' WRENCHES

15° ANGLE POLISHED HEADS — HEAVY CHROMIUM PLATE

Wrench Number	Openings (Nominal)	Hex. Head Cap Screws Dia. Screws	S.A.E. Std. Nuts Size Bolts
1020	1/4 & 5/16	— & 1/8	— & —
1723	3/8 & 1/4	3/16 & 1/4	— & 1/4
1725B	1/2 & 9/16	5/16 & 3/8	5/16 & 3/8
1729	5/8 & 5/4	7/16 & 1/2	7/16 & 1/2
1731A	3/4 & 7/8	1/2 & 5/8	1/2 & 9/16
1033C	15/16 & 1	— & 3/4	5/8 & 11/16

Weight 2 lbs. 4 ozs.

LIST PRICE Including Leatherette Roll . . . \$7.96

SET NO. 1009

BILLINGS Vitalloy ENGINEERS' WRENCHES

15° ANGLE POLISHED HEADS — HEAVY CHROMIUM PLATE

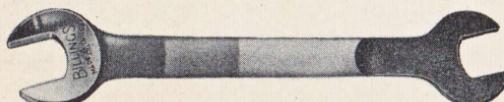
Wrench Number	Openings (Nominal)	Hex. Head Cap Screws Dia. Screws	S.A.E. Std. Nuts Size Bolts
1020	1/4 & 5/16	— & 1/8	— & —
1721	5/16 & 3/8	1/8 & 3/16	— & —
1723	3/8 & 7/16	3/16 & 1/4	— & 1/4
1725	7/16 & 1/2	1/4 & 5/16	1/4 & 5/16
1725B	1/2 & 9/16	5/16 & 3/8	5/16 & 3/8
1727	9/16 & 5/8	3/8 & 7/16	3/8 & 7/16
1729	5/8 & 3/4	7/16 & 1/2	7/16 & 1/2
1731A	3/4 & 7/8	1/2 & 5/8	1/2 & 9/16
1033C	15/16 & 1	— & 3/4	5/8 & 11/16

Weight 2 lbs. 12 ozs.

LIST PRICE Including Leatherette Roll . . . \$10.71

*Trade Mark Registered

Read These Facts About Billings Wrenches



1 HEADS •

Billings Vitalloy Wrenches in these Sets are made of selected alloy steel . . . The Heads are hand ground and polished.

• 2 FINISH

The exceptionally fine finish is obtained by first giving the wrench a copper coat as a base. Next, nickel over the copper and finally a heavy chrome plate.

• 3 ALLOY STEEL STRUCTURE

Unretouched cross section of Billings Vitalloy Wrench showing how the steel fibres (or grain) are arranged by drop forging to give extra strength.

BILLINGS Vitalloy WRENCHES IN SETS

SET NO. 7706

BILLINGS Vitalloy* BOX WRENCHES

15° ANGLE POLISHED HEADS — HEAVY CHROMIUM PLATE

Wrench Number	Openings (Nominal)	Hex. Head Cap Screws Dia. Screws	S.A.E. Std. Nuts Size Bolts
7723	3/8 & 7/16	3/16 & 1/4	— & 1/4
7725	7/16 & 1/2	1/4 & 5/16	1/4 & 5/16
7725B	1/2 & 9/16	5/16 & 3/8	5/16 & 3/8
7727	9/16 & 5/8	3/8 & 7/16	3/8 & 7/16
7729	5/8 & 3/4	7/16 & 1/2	7/16 & 1/2
7731A	3/4 & 7/8	1/2 & 5/8	1/2 & 9/16

Weight 2 lbs. 3 ozs.

LIST PRICE Including Leatherette Roll \$7.40



SET NO. 1106

BILLINGS Vitalloy* COMBINATION BOX

and OPEN END WRENCHES

(Same opening each end)

15° ANGLE POLISHED HEADS — HEAVY CHROMIUM PLATE

Wrench Number	Openings (Nominal)	Hex. Head Cap Screws Dia. Screws	S.A.E. Std. Nuts Size Bolts
1161	7/16	1/4	1/4
1162	1/2	5/16	5/16
1163	9/16	3/8	3/8
1164	5/8	7/16	7/16
1166	3/4	1/2	1/2
1167	7/8	5/8	9/16

Weight 2 lbs. 2 oz.

LIST PRICE Including Leatherette Roll \$9.97



SET NO. 1109

BILLINGS Vitalloy* COMBINATION BOX

and OPEN END WRENCHES

(Same opening each end)

15° ANGLE POLISHED HEADS — HEAVY CHROMIUM PLATE

Wrench Number	Openings (Nominal)	Hex. Head Cap Screws Dia. Screws	S.A.E. Std. Nuts Size Bolts
1161	7/16	1/4	1/4
1162	1/2	5/16	5/16
1163	9/16	3/8	3/8
1164	5/8	7/16	7/16
1165	11/16	—	—
1166	3/4	1/2	1/2
1167A	13/16	9/16	9/16
1167	7/8	5/8	9/16
1170	1	3/4	1 1/16

Weight 4 lbs. 6 oz.

LIST PRICE Including Leatherette Roll \$16.09



* Trade Mark Registered

THE BILLINGS AND SPENCER COMPANY

The entire twenty-four pages of this catalog are devoted exclusively to wrenches but they include all of the wrenches which we are producing at present or plan to produce in the near future. The various items of clamps, eye bolts, rod and yoke ends, etc. are not shown in this wrench catalog but will be found in the general catalog.

You will find that some open end and box wrench numbers previously carried in stock are no longer listed as stock items. This is in general conformance to the National Bureau of Standards, U.S. Department of Commerce, Simplified Practice Recommendation R220-46 effective April 15, 1946. Such discontinued items may be bought on special order only. Prices will be quoted on application and will conform to the standards for special wrenches established by this company in May of 1941.

BILLINGS Vitalloy 15° ANGLE DOUBLE END ENGINEERS'



FINISH — HEAVY CHROME PLATE OVER COPPER AND NICKEL, HEADS POLISHED.

No.	Price Finished	Milled Openings (Nominal)	Amer. Std. Heavy Nuts (U.S.S.) Size Bolts	Amer. Std. Hex Head Cap Screws Dia. Screws	Amer. Std. Light Nuts (S.A.E.) Size Bolts	Amer. Std. Reg. Nuts Size Bolts	Lgth.	Thickness Heads
*1019	\$.53	3/16 & 1/4	— & —	— & —	— & —	*2 & 3, *4	3	9/64
1020	.53	1/4 & 5/16	— & —	— & —	— & —	*4, 5 & *6	3 1/2	5/32
1720	.58	5/16 & 11/32	— & —	— & —	— & —	*5 & 6, *8	4 1/2	11/64
1721	.58	5/16 & 3/8	— & —	— & —	— & —	*8 & *10	4 1/2	11/64
1723	.58	3/8 & 7/16	— & —	— & 1/4	— & 1/4	*10 & +1/4, *12	5	3/16
1725	.82	7/16 & 1/2	— & 1/4	1/4 & 5/16	1/4 & 5/16	1/4, *12 & —	5 3/4	7/32
1725A	.82	7/16 & 9/16	— & —	1/4 & 3/8	1/4 & 3/8	1/4, *12 & 5/16	6	7/32
1725B	.82	1/2 & 9/16	1/4 & —	5/16 & 3/8	5/16 & 3/8	— & 5/16	6 1/4	15/64
1025	.82	1/2 & 19/32	1/4 & 5/16	5/16 & —	5/16 & —	— & —	6 1/4	15/64
1727	1.00	9/16 & 5/8	— & —	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6 3/4	17/64
1027	1.00	19/32 & 11/16	5/16 & 3/8	— & —	— & —	— & —	7 1/2	9/32
1027B	1.00	5/8 & 11/16	— & 3/8	7/16 & —	7/16 & —	3/8 & —	7 1/2	9/32
1028	1.24	19/32 & 25/32	5/16 & 7/16	— & —	— & —	— & —	7 3/4	9/32
1729	1.24	5/8 & 3/4	— & —	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	7 3/4	9/32
1029	1.24	11/16 & 25/32	3/8 & 7/16	— & —	— & —	— & —	8 1/4	5/16
1029B	1.24	11/16 & 3/4	3/8 & —	— & 1/2	— & 1/2	— & 7/16	8 1/4	5/16
1029C	1.24	11/16 & 13/16	3/8 & —	— & 9/16	— & —	— & 1/2	8 1/4	5/16
1731	1.65	3/4 & 13/16	— & —	1/2 & 9/16	1/2 & —	7/16 & 1/2	9	11/32
1731A	1.65	3/4 & 7/8	— & 1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	9	11/32
1031B	1.65	25/32 & 13/16	7/16 & —	— & 9/16	— & —	— & 1/2	9 1/2	23/64
1031	1.65	25/32 & 7/8	7/16 & 1/2	— & 5/8	— & 9/16	— & 9/16	9 1/2	23/64
1731B	1.65	13/16 & 7/8	— & 1/2	9/16 & 5/8	— & 9/16	1/2 & 9/16	9 1/2	23/64
1032B	1.65	13/16 & 15/16	— & 9/16	9/16 & —	— & 5/8	1/2 & —	10 1/4	3/8
1033A	1.65	7/8 & 15/16	1/2 & 9/16	5/8 & —	9/16 & 5/8	9/16 & —	10 1/4	3/8
1733	2.25	7/8 & 1	1/2 & —	5/8 & 3/4	9/16 & —	9/16 & 5/8	10 1/4	3/8
1033C	2.25	15/16 & 1	9/16 & —	— & 3/4	5/8 & —	— & 5/8	11	13/32
1034	2.25	7/8 & 11/16	1/2 & 5/8	5/8 & —	9/16 & 3/4	9/16 & —	11	13/32
1034A	2.25	15/16 & 11/16	9/16 & 5/8	— & —	5/8 & 3/4	— & —	11	13/32
1735	3.15	1 & 11/8	— & —	3/4 & 7/8	— & —	5/8 & 3/4	12 1/2	15/32
1036B	3.15	11/16 & 11/8	5/8 & —	— & 7/8	3/4 & —	— & 3/4	12 1/2	15/32
1037	3.15	11/16 & 11/4	5/8 & 3/4	— & (+1")	3/4 & 7/8	— & —	12 1/2	15/32
1037A	3.15	11/8 & 15/16	— & —	7/8 & 1	— & —	3/4 & 7/8	12 3/4	1/2
1039B	4.90	11/4 & 15/16	3/4 & —	1 & —	7/8 & —	— & 7/8	12 3/4	1/2
1039	4.90	11/4 & 17/16	3/4 & 7/8	(+1") & —	7/8 & 1	— & —	14	9/16
1039A	4.90	15/16 & 11/2	— & —	1 & 1 1/8, +1 1/4	— & —	7/8 & 1	14	9/16
1039C	4.90	13/8 & 17/16	— & 7/8	— & —	— & 1	— & —	14	9/16
1041	8.80	17/16 & 15/8	7/8 & 1	— & —	1 & 1 1/8	— & —	16	11/16
1041B	8.80	11/2 & 15/8	— & 1	1 1/4 & —	— & 1 1/8	1 & —	16	11/16

*American Standard Machine and Stove Bolt Nuts.

+Old Style Cap Screws — Now Obsolete.

*Trade Mark Registered

BILLINGS Vitalloy DOUBLE HEX 15° LONG BOX WRENCHES



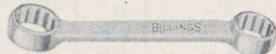
FINISH — HEAVY CHROME PLATE OVER COPPER AND NICKEL, HEADS POLISHED.

No.	Price Finished	Openings (Nominal)	Amer. Std. Heavy Nut (U.S.S.) Size Bolt	Amer. Std. Hex Head Cap Screws Dia. Screw	Amer. Std. Light Nut (S.A.E.) Size Bolt	Amer. Std. Reg. Nut Size Bolt	Length (App.)
7723	\$.95	3/8 & 7/16	— & —	— & 1/4	— & 1/4	*10 & *12, 1/4	7 3/8
7725	.95	7/16 & 1/2	— & 1/4	1/4 & 5/16	1/4 & 5/16	12, 1/4 & —	7 3/4
7725A	1.00	7/16 & 9/16	— & —	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	8 1/4
7725B	1.00	1/2 & 9/16	1/4 & —	5/16 & 3/8	5/16 & 3/8	— & 5/16	8 1/4
7025	1.00	1/2 & 19/32	1/4 & 5/16	5/16 & —	5/16 & —	— & —	8 1/4
7727	1.05	9/16 & 5/8	— & —	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	9 1/4
7027	1.20	19/32 & 11/16	5/16 & 3/8	— & —	— & —	— & —	10 1/2
7727A	1.20	5/8 & 11/16	— & 3/8	7/16 & —	7/16 & —	3/8 & —	10 1/2
7729	1.20	5/8 & 3/4	— & —	7/16 & 1/2	7/16 & 1/2	5/8 & 7/16	10 1/2
7029B	1.35	11/16 & 3/4	3/8 & —	— & 1/2	— & 1/2	— & 1/2	11
7029	1.35	11/16 & 25/32	3/8 & 7/16	— & —	— & —	— & —	11
7729A	1.40	3/4 & 25/32	— & 7/16	1/2 & —	1/2 & —	7/16 & —	12
7731A	1.40	3/4 & 7/8	— & 1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	12
7031B	1.55	25/32 & 13/16	7/16 & —	— & 9/16	— & —	— & 1/2	12 3/4
7031	1.55	25/32 & 7/8	7/16 & 1/2	— & 5/8	— & 9/16	— & 9/16	12 3/4
7731B	1.55	13/16 & 7/8	— & 1/2	9/16 & 5/8	— & 9/16	1/2 & 9/16	12 3/4
7033A	1.85	7/8 & 1 5/16	1/2 & 9/16	5/8 & —	9/16 & 5/8	9/16 & —	13 3/4
7733	1.85	7/8 & 1	1/2 & —	5/8 & 3/4	9/16 & —	9/16 & 5/8	13 3/4
7033C	1.85	15/16 & 1	9/16 & —	— & 3/4	5/8 & —	— & 5/8	13 3/4
7034A	2.95	15/16 & 11/16	9/16 & 5/8	— & —	5/8 & 3/4	— & —	15 1/2
7735	3.30	1 & 11/8	— & —	3/4 & 7/8	— & —	5/8 & 3/4	17 1/4
7735A	3.30	11/16 & 11/8	5/8 & —	— & 7/8	3/4 & —	— & 5/4	17 1/4
7037	3.30	11/16 & 11/4	5/8 & 3/4	— & 1	3/4 & 7/8	— & —	17 1/4
7037A	3.80	11/8 & 15/16	— & —	7/8 & —	— & —	3/4 & 7/8	19
7039B	3.80	11/4 & 15/16	3/4 & —	†1 & —	7/8 & —	— & 7/8	19
7039	3.80	11/4 & 17/16	3/4 & 7/8	†1 & 1	7/8 & —	— & —	19
7039A	3.80	15/16 & 11/2	— & —	1 & 1 1/8, †11/4	— & —	7/8 & 1	19
7040B	4.40	17/16 & 11/2	7/8 & —	— & 1 1/8, †11/4	1 & —	— & 1	21
7041	4.95	17/16 & 15/8	7/8 & 1	— & —	1 & 11/8	— & —	23
7742B	4.95	1 1/2 & 11 1/16	— & —	†1 1/4, 11/8 & —	— & —	1 & 11/8	23

*American Standard Machine and Stove Bolt Nuts.

†Old Style Cap Screws — Now Obsolete.

BILLINGS Vitalloy DOUBLE HEX 15° SHORT BOX WRENCHES



No.	Price Finished	Openings (Nominal)	Amer. Std. Heavy Nut (U.S.S.) Size Bolt	Amer. Std. Hex Head Cap Screws Dia. Screw	Amer. Std. Light Nut (S.A.E.) Size Bolt	Amer. Std. Reg. Nut Size Bolt	Length (App.)
6723	\$.95	3/8 & 7/16	— & —	— & 1/4	— & 1/4	*10 & *12, 1/4	4 1/2
6725	1.00	7/16 & 1/2	— & 1/4	1/4 & 5/16	1/4 & 5/16	12, 1/4 & —	5 1/2
6725A	1.00	7/16 & 9/16	— & —	1/4 & 3/8	1/4 & 3/8	*12, 1/4 & 5/16	5 1/2
6725B	1.00	1/2 & 9/16	1/4 & —	5/16 & 3/8	5/16 & 3/8	— & 5/16	5 1/2
6025	1.00	1/2 & 19/32	1/4 & 5/16	5/16 & —	5/16 & —	— & —	5 1/2
6727	1.10	9/16 & 5/8	— & —	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6

*American Standard Machine and Stove Bolt Nuts.

†Old Style Cap Screws — Now Obsolete.

BILLINGS Vitalloy DOUBLE HEX 45° LONG BOX WRENCHES



FINISH — HEAVY CHROME PLATE OVER COPPER AND NICKEL, HEADS POLISHED.

No.	Price Finished	Nominal Opening	Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Amer. Std. Hex Head Cap Screw Dia. Screw	Amer. Std. Light Nut (S.A.E.) Size Bolts	Amer. Std. Reg. Nut Size Bolts	Length (App.)
8723	\$.95	3/8 & 7/16	— & —	— & 1/4	— & 1/4	*10 & 1/4, *12	8 1/2
8725	.95	7/16 & 1/2	— & 1/4	1/4 & 5/16	1/4 & 5/16	1/4, *12 & —	8 3/4
8725A	1.00	1/16 & 9/16	— & —	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	9
8725B	1.00	1/2 & 9/16	1/4 & —	5/16 & 3/8	5/16 & 3/8	— & 5/16	9
8025	1.00	1/2 & 19/32	1/4 & 5/16	5/16 & —	5/16 & —	— & —	9
8727	1.05	9/16 & 5/8	— & —	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	9 3/4
8027	1.20	19/32 & 11/16	5/16 & 3/8	— & —	— & —	— & 3/8	9 3/4
8727A	1.20	5/8 & 11/16	— & —	— & 7/16	— & 7/16	— & 7/16	9 3/4
8729	1.20	5/8 & 3/4	— & —	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	11
8029B	1.35	11/16 & 3/4	3/8 & —	— & 1/2	— & 1/2	— & 1/16	11
8029	1.35	11/16 & 25/32	3/8 & 7/16	— & —	— & —	— & —	11
8729A	1.40	3/4 & 25/32	— & 7/16	1/2 & —	1/2 & —	7/16 & —	12 5/8
8731A	1.40	3/4 & 7/8	— & 1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	12 5/8
8031B	1.40	25/32 & 13/16	7/16 & —	— & 9/16	— & —	— & 1/2	12 5/8
8031	1.40	25/32 & 7/8	7/16 & 1/2	— & 5/8	— & 9/16	— & 9/16	12 5/8
8731B	1.40	13/16 & 7/8	— & 1/2	9/16 & 5/8	— & 9/16	1/2 & 9/16	12 5/8
8033A	1.85	7/8 & 15/16	1/2 & 9/16	5/8 & —	9/16 & 5/8	9/16 & —	13 1/2
8733	1.85	7/8 & 1	1/2 & —	5/8 & 3/4	9/16 & —	9/16 & 5/8	13 1/2
8033C	1.85	15/16 & 1	9/16 & —	— & 3/4	5/8 & —	— & 5/8	14 1/2
8034A	2.95	15/16 & 1 1/16	9/16 & 5/8	— & —	5/8 & 3/4	— & —	14 1/2
8735	3.30	1 & 1 1/8	— & —	3/4 & 7/8	— & —	5/8 & 3/4	16 1/2
8735A	3.30	1 1/16 & 1 1/8	5/8 & —	— & 7/8	3/4 & —	— & 3/4	16 1/2
8037	3.30	1 1/16 & 1 1/4	5/8 & 3/4	— & 11"	3/4 & 7/8	— & —	16 1/2
8037A	3.80	1 1/8 & 1 5/16	— & —	7/8 & —	— & —	3/4 & 7/8	19
8039B	3.80	1 1/4 & 1 5/16	3/4 & —	11" & —	7/8 & —	— & 7/8	19
8039	3.80	1 1/4 & 7/16	3/4 & 7/8	11" & —	7/8 & 1	— & —	19
8039A	3.80	1 5/16 & 1 1/2	— & —	1 & 11/8, 11 1/4	— & —	7/8 & 1	19
8040B	4.40	1 7/16 & 1 1/2	7/8 & —	— & 11/8, 11 1/4	1 & —	— & 1	21
8041	4.95	1 7/16 & 1 5/8	7/8 & 1	— & —	1 & 1 1/8	— & —	23
8742B	4.95	1 1/2 & 11 1/16	— & —	11/8, 11 1/4 & —	— & —	1 & 1 1/8	23
8045	8.45	11 1/16 & 2	1 1/8 & 1 1/4	— & —	11/4 & 1 3/8	— & —	25
8049	10.60	2 3/16 & 2 3/8	1 3/8 & 1 1/2	— & —	1 1/2 & —	— & —	27
8053	16.25	2 9/16 & 2 3/4	1 5/8 & 1 3/4	— & —	— & —	— & —	30

*American Standard Machine and Stove Bolt Nuts.

†Old Style Cap Screw — Now Obsolete.

BILLINGS Vitalloy DOUBLE END 45° SHORT BOX WRENCHES



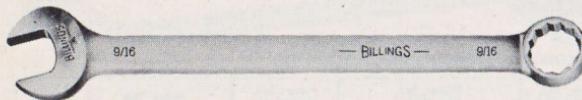
No.	Price Finished	Nominal Opening	Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Amer. Std. Hex Head Cap Screws Dia. Screw	Amer. Std. Light Nut (S.A.E.) Size Bolts	Amer. Std. Reg. Nut Size Bolts	Length (App.)
9723	\$.95	3/8 & 7/16	— & —	— & 1/4	— & 1/4	*10 & 12, 1/4	4 1/2
9725	1.00	7/16 & 1/2	— & 1/4	1/4 & 5/16	1/4 & 5/16	12, 1/4 & —	5
9725A	1.00	7/16 & 9/16	— & —	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	5
9725B	1.00	1/2 & 9/16	1/4 & —	5/16 & 3/8	5/16 & 3/8	— & 5/16	5 1/2
9025	1.00	1/2 & 19/32	1/4 & 5/16	5/16 & —	5/16 & —	— & —	5 1/2
9727	1.10	9/16 & 5/8	— & —	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6

*American Standard Machine Screw and Stove Bolt Nuts.

†Old Style Cap Screw — Now Obsolete.

* Trade Mark Registered

BILLINGS Vitalloy Combination BOX & OPEN END



FINISH — HEAVY CHROME PLATE OVER COPPER AND NICKEL, HEADS POLISHED.

No.	Price Finished	Both Openings	Thickness Open End	Outside Dia. (Box End)	BOLT SIZES				Length	Wgt. Ozs.
					Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Amer. Std. Hex Cap Screws Dia. Screws	Amer. Std. Light Nut (S.A.E.) Size Bolts	Amer. Std. Reg. Nut Size Bolts		
1159	\$1.00	5/16	—	—	—	—	—	*5 & 6	4 1/4	1 1/2
1159A	1.00	11/32	—	—	—	—	—	*8 & —	4 1/4	1 1/2
1160	1.15	3/8	7/32	19/32	—	—	—	*10 & —	5	2
1161	1.18	7/16	15/32	43/64	—	1/4	1/4	1/4, *12 & —	5 3/8	2
1162	1.28	1/2	1/4	25/32	1/4	5/16	5/16	— & —	6	3
1163	1.40	9/16	9/32	7/8	—	3/8	3/8	5/16 & —	6 3/4	4
1163A	1.40	19/32	9/32	7/8	5/16	—	—	— & —	6 3/4	4
1164	1.55	5/8	5/16	15/16	—	7/16	7/16	3/8 & —	7 5/8	5
1165	1.70	11/16	11/32	1 1/32	3/8	—	—	— & —	8 1/2	6
1166	1.85	3/4	3/8	1 1/8	—	1/2	1/2	7/16 & —	9 1/2	7
1166A	1.85	25/32	3/8	1 1/8	7/16	—	—	— & —	9 1/2	7
1167A	2.00	13/16	7/8	1 9/32	—	9/16	—	1/2 & —	11	11
1167	2.00	7/8	7/16	1 9/32	1/2	5/8	9/16	9/16 & —	11	12
1168	2.15	15/16	1/2	115/32	9/16	—	5/8	— & —	13	15
1170	2.15	1	1/2	115/32	—	3/4	—	5/8 & —	13	15
1171	2.40	1 1/16	5/8	121/32	5/8	—	3/4	— & —	15	18
1172	2.40	1 1/8	5/8	121/32	—	7/8	3/4	3/4 & —	15	18
1173	2.90	1 1/4	11/16	113/16	3/4	—	7/8	— & —	18	20
1174	2.90	1 5/16	—	—	—	—	—	7/8 & —	18	20
1176	3.45	1 7/16	3/4	2 1/16	7/8	—	1	— & —	21	24

*American Standard Machine Screw and Stove Bolt Nuts.

BILLINGS Vitalloy 15° AND 75° ANGLE ELECTRICAL



Number	Price	Size Openings	Length	Thickness of Heads	Weight Per Doz. Lbs.
1112	\$.65	3/16	3 1/16	3/32	1.2
1113	.65	13/64	3 1/16	3/32	1.2
1114	.65	7/32	3 1/16	3/32	1.2
1115	.65	15/64	3 1/16	3/32	1.2
1116	.65	1/4	3 1/16	3/32	1.2
1118	.72	9/32	3 3/4	1/8	3.6
1120	.72	5/16	3 3/4	1/8	3.6
1122	.72	11/32	313/16	1/8	4.8
1124	.72	3/8	313/16	1/8	4.8
1128	.82	7/16	4 9/16	5/32	8.4
1132	.82	1/2	4 9/16	5/32	8.4

* Trade Mark Registered

BILLINGS Vitalloy 15° ANGLE DOUBLE END TAPPET CHECK NUT



FINISH — HEAVY CHROME PLATE OVER COPPER AND NICKEL, HEADS POLISHED

Number	Price Chrome Plated	Openings Milled (Nominal)	U.S. Std. Jam Nuts Size Bolts	S.A.E. Std. Nuts Size Bolts	Amer. Std. Jam Nuts Size Bolts	Length (App.)	Thickness Heads
1090A	\$.78	3/8 & 7/16	— & —	— & 1/4	— & 1/4	8 1/2	5/32
1090B	.78	13/32 & 1/2	3/16 & 1/4	— & 5/16	— & —	8 1/2	5/32
1090	.78	7/16 & 1/2	— & 1/4	1/4 & 5/16	1/4 & —	8 1/2	5/32
1090C	.78	7/16 & 9/16	— & —	1/4 & 3/8	1/4 & 5/16	8 1/2	5/32
1090D	.78	1/2 & 9/16	1/4 & —	5/16 & 3/8	— & 5/16	8 1/2	5/32
1090E	.78	1/2 & 19/32	1/4 & 5/16	5/16 & —	— & —	8 1/2	5/32
1092B	.82	1/2 & 11/16	1/4 & 3/8	5/16 & —	— & —	9	3/16
1092	.82	9/16 & 5/8	— & —	3/8 & 7/16	5/16 & 3/8	9	3/16
1092D	.82	19/32 & 11/16	5/16 & 3/8	— & —	— & —	9	3/16
1092F	.82	5/8 & 11/16	— & 3/8	7/16 & —	3/8 & —	9	3/16
1094A	.85	5/8 & 3/4	— & —	7/16 & 1/2	3/8 & 7/16	9 1/2	7/32
1094B	.85	19/32 & 25/32	5/16 & 7/16	— & —	— & —	9 1/2	7/32
1094D	.85	11/16 & 25/32	3/8 & 7/16	— & —	— & —	9 1/2	7/32
1094F	.85	11/16 & 7/8	3/8 & 1/2	— & 9/16	— & 9/16	9 1/2	7/32
1094G	.85	3/4 & 13/16	— & —	1/2 & —	7/16 & 1/2	9 1/2	7/32
1094	.85	3/4 & 7/8	— & 1/2	1/2 & 9/16	7/16 & 9/16	9 1/2	7/32
1096A	1.07	25/32 & 7/8	7/16 & 1/2	— & 9/16	— & 9/16	10	7/32
1096B	1.07	25/32 & 31/32	7/16 & 9/16	— & —	— & —	10	7/32
1096F	1.07	7/8 & 31/32	1/2 & 9/16	9/16 & —	9/16 & —	10	7/32
1096H	1.07	7/8 & 11/16	1/2 & 5/8	9/16 & 3/4	9/16 & —	10	7/32
1096	1.07	15/16 & 1	— & —	5/8 & 11/16	— & 5/8	10	7/32
1096 Spec.	1.07	3/4 & 11/16	— & 5/8	1/2 & 3/4	7/16 & —	10	7/32

BILLINGS Vitalloy 15° ANGLE ELECTRICAL



Number	Price	Opening	Length	Thickness of Heads
1106	\$.65	13/64 & 11/32	3	1/8
1107	.65	15/64 & 1/4	3	1/8
1108	.72	9/32 & 11/32	3 1/2	9/64
1108A	.72	1/4 & 5/16	3 1/2	9/64
1109	.72	5/16 & 3/8	3 1/2	9/64

* Trade Mark Registered

BILLINGS Vitalloy $\frac{3}{8}$ " SQUARE DRIVE Detachable SOCKET



12 POINT
DOUBLE HEX



12 POINT
DOUBLE HEX
DEEP WALL



12 POINT
UNIVERSAL
FLEX

12 POINT • DOUBLE HEX

Finish — Heavy Chrome Plate over Copper and Nickel, Heads Polished.

Number	List Price	Nominal Opening	Amer. Std. Heavy Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw Dia. Screws	Amer. Std. Light Nut (S.A.E.)	Amer. Std. Reg. Nut Size Bolts	Length	Weight Per Doz.	
			Size Bolts	Dia. Screws	Size Bolts	Lbs.	Ozs.		
C-1212	\$.72	$\frac{3}{8}$	—	—	—	*10	$1\frac{5}{16}$	—	6
C-1214	.72	$\frac{7}{16}$	—	—	—	$\frac{1}{4}$, *12	$1\frac{5}{16}$	—	6
C-1216	.72	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	—	$1\frac{5}{16}$	—	9
C-1218	.72	$\frac{9}{16}$	—	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	$3\frac{1}{32}$	—	12
C-1220	.72	$\frac{5}{8}$	—	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{3}{8}$	1	—	13
C-1222	.84	$\frac{11}{16}$	$\frac{3}{8}$	—	—	—	$1\frac{1}{32}$	—	14
C-1224	.84	$\frac{3}{4}$	—	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{7}{16}$	$1\frac{1}{32}$	1	—

12 POINT • EXTRA DEEP

CD-1214	\$.77	$\frac{7}{16}$	—	—	—	$\frac{1}{4}$, *12	2	1	4
CD-1216	.77	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	—	2	1	7
CD-1218	.77	$\frac{9}{16}$	—	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	2	1	8
CD-1220	.77	$\frac{5}{8}$	—	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{3}{8}$	2	1	11
CD-1222	.90	$\frac{11}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	—	$2\frac{1}{2}$	2	14
CD-1224	1.00	$\frac{3}{4}$	—	—	—	$\frac{7}{16}$	$2\frac{1}{2}$	3	1

12 POINT • UNIVERSAL FLEX

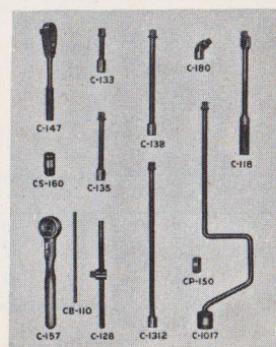
CU-1212	\$ 2.30	$\frac{3}{8}$	—	—	—	*10	$1\frac{1}{2}$	—	14
CU-1214	2.30	$\frac{7}{16}$	—	—	—	$\frac{1}{4}$, *12	$1\frac{9}{16}$	—	15
CU-1216	2.30	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	—	$1\frac{9}{32}$	1	—
CU-1218	2.55	$\frac{9}{16}$	—	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	$1\frac{5}{8}$	1	1
CU-1220	2.55	$\frac{5}{8}$	—	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{3}{8}$	$1\frac{3}{4}$	1	4
CU-1222	2.65	$\frac{11}{16}$	$\frac{3}{8}$	—	—	—	$12\frac{5}{32}$	1	6
CU-1224	2.65	$\frac{3}{4}$	—	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{7}{16}$	$11\frac{3}{16}$	1	7

*For American Standard Machine Screw and Stove Bolt Nuts.

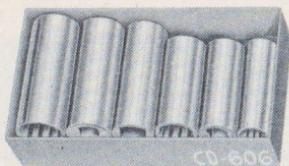
Detachable SOCKET PARTS • $\frac{3}{8}$ " SQUARE DRIVE

Number	List Price	DESCRIPTION	Weight Per Dozen	
			Lbs.	Ozs.
G-147	\$ 4.50	Reversible Ratchet—7" long with Knurled Handle	7	3
G-157	3.60	Ratchet 6 $\frac{3}{4}$ " long — complete with CP-150 Plug Conn.	—	9
GP-150	.35	Ratchet Plug Connector	—	1
G-1017	2.10	Speeder — 17" long with Knurled Revolving Grip	5	14
G-118	2.70	Flex Handle — 8 $\frac{1}{4}$ " long with Knurled Handle	5	14
CB-110	.40	Flex Handle Bar — 6 $\frac{1}{2}$ " long	1	—
G-128	1.35	Sliding "T" Handle — 8" long	3	13
G-133	1.08	Extension — 3" long	1	—
G-135	1.08	Extension — 5 $\frac{1}{2}$ " long	2	2
G-138	1.20	Extension — 8 $\frac{1}{2}$ " long	3	3
G-132	1.20	Extension — 12" long	4	12
G-180	2.46	Universal Joint	1	2
CS-160	1.02	Adapter $\frac{3}{8}$ " to $\frac{1}{2}$ " Increase — Adapts $\frac{3}{8}$ " Square Drive Handles and Parts to $\frac{1}{2}$ " Square Drive Sockets	1	1
SC-160	1.02	Adapter $\frac{1}{2}$ " to $\frac{3}{8}$ " Reduce — Adapts $\frac{1}{2}$ " Square Drive Handles and Parts to $\frac{3}{8}$ " Square Drive Sockets	1	2

* Trade Mark Registered



BILLINGS Vitalloy $\frac{3}{8}$ " SQUARE DRIVE SOCKET SETS



A handy assortment of extra deep sockets that can be used to advantage on body and fender support bolts, running board channels and many other jobs.

CD-606 DETACHABLE SOCKET SET

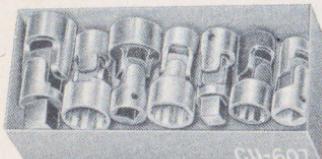
12 POINT, DOUBLE HEX, EXTRA DEEP

Socket Number	Nominal Opening	Length
CD-1214	$\frac{7}{16}$	2"
CD-1216	$\frac{1}{2}$	2"
CD-1218	$\frac{9}{16}$	2"
CD-1220	$\frac{5}{8}$	2"
CD-1222	$\frac{11}{16}$	$2\frac{1}{2}$ "
CD-1224	$\frac{3}{4}$	$2\frac{1}{2}$ "

CD-606 Set in Pasteboard Box:

List Price \$4.98

Total Net Weight: 1 lb., 4 ozs.



A selected assortment of universal flex sockets—work freely at any angle and save time on many a hard-to-reach job.

CU-607 UNIVERSAL FLEX SET

12 POINT, DOUBLE HEX, FLEX SOCKET

Socket Number	Nominal Opening	Length
CU-1212	$\frac{3}{8}$	$1\frac{1}{2}$ "
CU-1214	$\frac{7}{16}$	$1\frac{9}{16}$ "
CU-1216	$\frac{1}{2}$	$1\frac{19}{32}$ "
CU-1218	$\frac{9}{16}$	$1\frac{5}{8}$ "
CU-1220	$\frac{5}{8}$	$1\frac{3}{4}$ "
CU-1222	$\frac{11}{16}$	$1\frac{25}{32}$ "
CU-1224	$\frac{3}{4}$	$1\frac{13}{16}$ "

Set CU-607 in Pasteboard Box:

List Price \$17.30

Total Net Weight: 15 ozs.

C-608 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX

Socket Number	Nominal Opening
C-1212	$\frac{3}{8}$
C-1214	$\frac{7}{16}$
C-1216	$\frac{1}{2}$
C-1218	$\frac{9}{16}$
C-1220	$\frac{5}{8}$
C-1222	$\frac{11}{16}$
C-1224	$\frac{3}{4}$

C-608 — Tool Box Size: $9\frac{1}{4} \times 2\frac{7}{8} \times 1\frac{3}{8}$ ".

Total Weight in Tool Box: 1 lb., 14 ozs.

Total Weight in Pasteboard Box: 1 lb., 2 ozs.



A small set of thin walled sockets with flex handle for general use.

HANDLE PARTS

C-118 Flex Handle — $8\frac{1}{4}$ " with knurled handle.

C-608 Set in Metal Tool Box:
List Price \$9.64

C-608 Set in Pasteboard Box:
List Price \$7.98

*Trade Mark Registered

BILLINGS Vitalloy $\frac{3}{8}$ " SQUARE DRIVE SOCKET SETS

C-610 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX

Socket Number	Nominal Opening
C-1212	$\frac{3}{8}$
C-1214	$\frac{7}{16}$
C-1216	$\frac{1}{2}$
C-1218	$\frac{9}{16}$
C-1220	$\frac{5}{8}$
C-1222	$\frac{11}{16}$
C-1224	$\frac{3}{4}$

HANDLE PARTS

- *C-147 Reversible Ratchet — 7" long with Knurled Handle.
- C-118 Flex Handle — 8" long with Knurled Handle.
- C-133 Extension Bar — 3" long.

* Can be furnished with C-157 Ratchet with Plug Connector at reduction of \$.90 in list price.

C-610 Set, in Metal Tool Box and C-147 Reversible Ratchet:
List Price \$15.22

(Total Weight in Metal Box: 2 lbs., 8 ozs.)

C-610 Set, in Pasteboard Box and C-147 Reversible Ratchet:
List Price \$13.56

(Total Weight in Pasteboard Box: 1 lb., 10 ozs.)

C-610—Tool Box Size: $9\frac{1}{4} \times 2\frac{7}{8} \times 1\frac{3}{8}$ "



An ideal set upon which you can build your tool set of the future. Selected items give the utmost in utility at minimum cost.

C-615 DETACHABLE SOCKET SET

(SEVEN SOCKETS AND EIGHT ATTACHMENTS)

12 POINT, DOUBLE HEX

Socket Number	Nominal Opening
C-1212	$\frac{3}{8}$
C-1214	$\frac{7}{16}$
C-1216	$\frac{1}{2}$
C-1218	$\frac{9}{16}$
C-1220	$\frac{5}{8}$
C-1222	$\frac{11}{16}$
C-1224	$\frac{3}{4}$

HANDLE PARTS

- C-1017 Speeder — 17" long with knurled revolving grip.

C-128 Sliding "T" Handle — 8" long.

C-180 Universal Joint.

C-135 Extension Bar — 5 $\frac{1}{2}$ " long.

C-1312 Extension Bar — 12" long.

*C-147 Reversible Ratchet — 7" long with knurled handle.

C-118 Flex Handle — 8 $\frac{1}{4}$ " long with knurled handle.

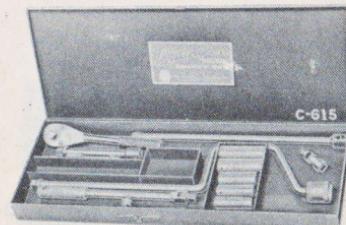
CB-110 Flex Handle Bar — 6 $\frac{1}{2}$ " long.

Set C-615, Complete with Tool Box and Reversible Ratchet C-147:

List Price, \$24.67

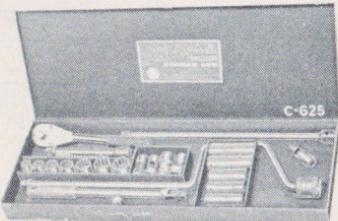
C-615—Tool Box Size: $17\frac{1}{2} \times 6\frac{1}{2} \times 1\frac{1}{4}$ ".

Total Weight: 7 lbs., 6 ozs.



The mechanics' favorite set — Designed for aviation, automotive, air conditioning, oil burner, refrigeration industries — Contains seven sockets and eight attachments.

BILLINGS Vitalloy $\frac{3}{8}$ " SQUARE DRIVE SOCKET SETS



General Utility Set — Contains seven regular sockets $\frac{3}{8}$ " to $\frac{3}{4}$ ", six extra deep sockets $\frac{7}{16}$ " to $\frac{3}{4}$ ", four universal flex sockets $\frac{7}{16}$ " to $\frac{5}{8}$ " plus eight attachments — All sockets in their own compartments in a strong metal box making it convenient for the mechanic to find the tool required at a glance.

HANDLES AND PARTS

- C-1017 Speeder — 17" long with Knurled Revolving Grip.
- C-128 Sliding "T" Handle — 8" long.
- C-118 Flex Handle — $8\frac{1}{4}$ " long with Knurled Handle.
- *C-147 Reversible Ratchet — 7" long with Knurled Handle.
- C-133 Extension Bar — 3" long.
- C-135 Extension Bar — $5\frac{1}{2}$ " long.
- C-1312 Extension Bar — 12" long.
- C-180 Universal Joint.

C-625 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX SOCKETS

Socket Number	Nominal Opening
C-1212	$\frac{3}{8}$
C-1214	$\frac{7}{16}$
C-1216	$\frac{1}{2}$
C-1218	$\frac{9}{16}$
C-1220	$\frac{5}{8}$
C-1222	$1\frac{1}{16}$
C-1224	$\frac{3}{4}$

12 POINT, UNIVERSAL FLEX SOCKETS

Socket Number	Nominal Opening
CU-1214	$\frac{7}{16}$
CU-1216	$\frac{1}{2}$
CU-1218	$\frac{9}{16}$
CU-1220	$\frac{5}{8}$
CU-1222	$1\frac{1}{16}$
CU-1224	$\frac{3}{4}$

EXTRA DEEP 12 POINT SOCKETS

Socket Number	Nominal Opening	Length
CD-1214	$\frac{7}{16}$	2"
CD-1216	$\frac{1}{2}$	2"
CD-1218	$\frac{9}{16}$	2"
CD-1220	$\frac{5}{8}$	2"
CD-1222	$1\frac{1}{16}$	$2\frac{1}{2}$ "
CD-1224	$\frac{3}{4}$	$2\frac{1}{2}$ "

* Can be furnished with C-157 Ratchet with Plug Connector at reduction of \$.90 in list price.

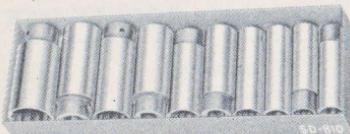
C-625 Set, Complete with Tool Box and C-147 Reversible Ratchet:
List Price \$40.03

C-625 — Tool Box Size: $17\frac{1}{2}$ x $6\frac{1}{2}$ x $1\frac{1}{4}$ ".
Total Weight: 8 lbs., 14 ozs.

BILLINGS Vitalloy $\frac{1}{2}$ " SQUARE DRIVE SOCKET SETS

SD-810 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX, EXTRA DEEP



An assortment of extra deep sockets — a "must" where nuts are set down deeply over the bolts. Widely used by industrial millwrights and mechanics for spark plugs, U bolts and many other jobs.

Socket Number	Nominal Opening	Length
SD-1216	$\frac{1}{2}$	3"
SD-1218	$\frac{9}{16}$	3"
SD-1220	$\frac{5}{8}$	3"
SD-1222	$1\frac{1}{16}$	3"
SD-1224	$\frac{3}{4}$	3"
SD-1226	$1\frac{3}{16}$	3"
SD-1228	$\frac{7}{8}$	$3\frac{1}{4}$ "
SD-1230	$1\frac{5}{16}$	$3\frac{1}{4}$ "
SD-1232	1	$3\frac{1}{4}$ "
SD-1236	$1\frac{1}{8}$	$3\frac{1}{4}$ "

SD-810 Set, in Pasteboard Box:
List Price \$13.14
Total Net Weight: 3 lbs., 14 ozs.

*Trade Mark Registered

BILLINGS Vitalloy $\frac{1}{2}''$ SQUARE DRIVE Detachable SOCKET

Finish — Heavy Chrome Plate over Copper and Nickel, Heads Polished.

DOUBLE HEX • 12 POINT

Number	List Price	Nominal Openings	Amer. Std. Heavy Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw Dia. Screws	Amer. Std. Light Nut (S.A.E.)	Amer. Std. Reg. Nut Size Bolts	Length	Weight Per Dozen
			Size Bolts		Size Bolts			Lbs. Ozs.
S-1214	\$.72	$\frac{7}{16}$	—	$\frac{1}{4}$	$\frac{1}{4}$	*12, $\frac{1}{4}$	$1\frac{1}{4}$	— 15
S-1216	.72	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	—	$1\frac{9}{32}$	1 —
S-1218	.72	$\frac{9}{16}$	—	$\frac{3}{8}$	$\frac{3}{8}$	—	$1\frac{5}{16}$	1 —
S-1219	.72	$\frac{19}{32}$	$\frac{5}{16}$	—	—	—	$1\frac{11}{32}$	1 1
S-1220	.72	$\frac{5}{8}$	—	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{3}{8}$	$1\frac{3}{8}$	1 5
S-1222	.84	$\frac{11}{16}$	$\frac{3}{8}$	—	—	—	$1\frac{7}{16}$	1 5
S-1224	.90	$\frac{3}{4}$	—	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{7}{16}$	$1\frac{15}{32}$	1 6
S-1225	.90	$\frac{25}{32}$	$\frac{7}{16}$	—	—	—	$1\frac{1}{2}$	1 8
S-1226	.90	$\frac{13}{16}$	—	$\frac{9}{16}$	—	$\frac{1}{2}$	$1\frac{9}{16}$	2 —
S-1228	.90	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$	$\frac{9}{16}$	$1\frac{5}{8}$	7
S-1230	1.08	$\frac{15}{16}$	$\frac{9}{16}$	—	$\frac{5}{8}$	—	$1\frac{1}{64}$	2 12
S-1232	1.08	1	—	$\frac{3}{4}$	—	$\frac{5}{8}$	$1\frac{11}{16}$	3 2
S-1234	1.20	$\frac{11}{16}$	$\frac{5}{8}$	—	$\frac{3}{4}$	—	$1\frac{3}{4}$	3 6
S-1236	1.32	$\frac{11}{8}$	—	$\frac{7}{8}$	—	$\frac{3}{4}$	$1\frac{13}{64}$	4 2
S-1240	1.44	$\frac{11}{4}$	$\frac{3}{4}$	—	$\frac{7}{8}$	—	$1\frac{15}{16}$	6 —

DEEP WALL • DOUBLE HEX • 12 POINT

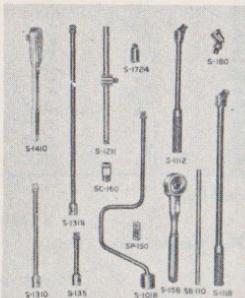
SD-1216	\$ 1.14	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	—	3	3 6
SD-1218	1.14	$\frac{9}{16}$	—	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	3	3 7
SD-1220	1.26	$\frac{5}{8}$	—	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{3}{8}$	3	2 13
SD-1222	1.26	$\frac{11}{16}$	$\frac{3}{8}$	—	—	—	3	12
SD-1224	1.26	$\frac{3}{4}$	—	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{7}{16}$	3	4 4
SD-1226	1.26	$\frac{13}{16}$	—	$\frac{9}{16}$	—	$\frac{1}{2}$	3	3 12
SD-1228	1.26	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$	$\frac{9}{16}$	$3\frac{1}{4}$	5 —
SD-1230	1.38	$\frac{15}{16}$	$\frac{9}{16}$	—	$\frac{5}{8}$	—	$3\frac{1}{4}$	5 14
SD-1232	1.50	1	—	$\frac{3}{4}$	—	$\frac{5}{8}$	$3\frac{1}{4}$	6 2
SD-1236	1.68	$\frac{11}{8}$	—	$\frac{7}{8}$	—	$\frac{3}{4}$	$3\frac{1}{4}$	7 12

*For American Standard Machine Screw and Stove Bolt Nuts.

DOUBLE SQUARE • 8 POINT

Number	List Price	Nominal Opening	Amer. Std. Heavy Nut (U.S.S.)	Set Screw Size	Amer. Std. Reg. Nut Size Bolts	Length	Weight Per Dozen	
			Size Bolts				Lbs. Ozs.	
S-814	\$.72	$\frac{7}{16}$	—	$\frac{7}{16}$	$\frac{1}{4}$	$1\frac{5}{32}$	—	12
S-816	.72	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$1\frac{3}{16}$	—	12
S-818	.72	$\frac{9}{16}$	—	$\frac{9}{16}$	$\frac{5}{16}$	$1\frac{7}{32}$	1	5
S-820	.72	$\frac{5}{8}$	—	$\frac{5}{8}$	$\frac{3}{8}$	$1\frac{5}{16}$	1	12
S-824	.90	$\frac{3}{4}$	—	$\frac{3}{4}$	$\frac{7}{16}$	$1\frac{7}{16}$	2	11

1/2" SQUARE DRIVE • Detachable SOCKET PARTS



Number	List Price	DESCRIPTION	Weight Per Dozen
S-1410	\$ 6.75	Reversible Ratchet — 10 $\frac{1}{2}$ " long	13 8
S-158	3.95	Ratchet 8 $\frac{1}{2}$ " long, complete with SP-150 Plug Conn.	1 — 3
SP-150	.24	Ratchet Plug Connector	— 3
S-1018	2.70	Speeder — 18" long with Revolving Grip	16 6
S-1112	3.96	Flex Handle — 12" long with Knurled Handle	15 12
S-1118	4.50	Flex Handle — 18" long with Knurled Handle	20 9
SB-110	.60	Flex Handle Bar — 11" long	4 —
S-1211	2.10	Sliding "T" Handle — 11" long	11 8
S-135	1.20	Extension — 5" long	3 —
S-1310	1.65	Extension — 10" long	8 6
S-1318	1.90	Extension — 18" long	14 4
S-180	2.70	Universal Joint	2 12
S-1724	1.00	3/4" Drag Link Sockets	1 14
S-1730	1.02	15/16" Drag Link Sockets	2 4

* Trade Mark Registered

BILLINGS Vitalloy $\frac{1}{2}$ " SQUARE DRIVE SOCKET SETS

S-811 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX

HANDLE PARTS

- *S-1410 Reversible Ratchet — 10 $\frac{1}{2}$ " long.
- S-135 Extension Bar — 5" long.
- S-1310 Extension Bar — 10" long.
- * Can be furnished with S-158 Ratchet with Plug Connector at reduction of \$2.80 in list price.

S-811 Set, Complete with Metal Tool Box and S-1410 Reversible Ratchet:

List Price \$17.99

S-811 — Tool Box Size: 14 $\frac{7}{8}$ x 3 x 17 $\frac{1}{8}$.

Total Net Weight: 5 lbs., 8 ozs.



Compact assortment for assembling work and for general use. Contains seven double hex sockets, $\frac{7}{16}$ " to $\frac{5}{8}$ ", ratchet and two extensions.

S-811A DETACHABLE SOCKET SET

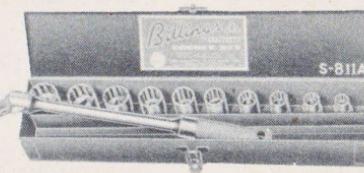
12 POINT, DOUBLE HEX

S-811A Set, Complete with Metal Tool Box:

- List Price \$14.45
- Total Net Weight: 4 lbs., 10 ozs.
- S-811A Set, in Pasteboard Box:
- List Price \$12.48
- Total Net Weight: 2 lbs., 10 ozs.
- S-811A — Tool Box Size: 14 $\frac{7}{8}$ x 3 x 17 $\frac{1}{8}$ ".

HANDLE PARTS

S-1112 Flex Handle — 12" long with Knurled Handle.



Fine assortment of ten double hex sockets $\frac{7}{16}$ " to 1" with flex handle. The adaptability of this flex handle makes it possible to get into places inaccessible to wrenches.

S-812 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX

S-812 Set, in Pasteboard Box:

- List Price \$10.20
- Total Net Weight: 1 lb., 10 ozs.

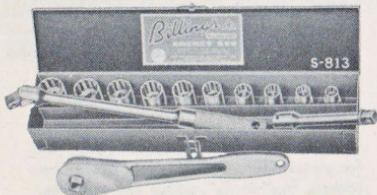


Convenient set to have as replacement for individual sockets lost or misplaced. Just right for mechanics who want to add to present set. Contains twelve sockets $\frac{7}{16}$ " to 1" inclusive.

BILLINGS Vitalloy $\frac{1}{2}$ " SQUARE DRIVE SOCKET SETS

S-813 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX



Socket Number	Nominal Opening
S-1214	$\frac{7}{16}$
S-1216	$\frac{1}{2}$
S-1218	$\frac{9}{16}$
S-1220	$\frac{5}{8}$
S-1222	$\frac{11}{16}$
S-1224	$\frac{3}{4}$
S-1226	$\frac{13}{16}$
S-1228	$\frac{7}{8}$
S-1230	$\frac{15}{16}$
S-1232	1

HANDLE PARTS

- S-1112 Flex Handle — 12" long with Knurled Handle.
- S-135 Extension Bar — 5" long.
- *S-1410 Reversible Ratchet — 10½" long.

* Can be furnished with S-158 Ratchet and Plug Connector at reduction of \$2.80 in list price.

S-813 Set, Complete with Metal Tool Box and S-1410 Ratchet:

List Price \$22.40

Total Net Weight: 6 lbs., 8 ozs.

S-813 Set, in Pasteboard Box with S-1410 Ratchet:

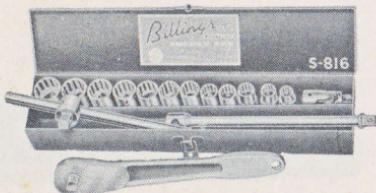
List Price \$20.43

Total Net Weight: 4 lbs., 8 ozs.

S-813 — Tool Box Size: 14¾ x 3 x 1⅞".

S-816 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX



Socket Number	Nominal Opening
S-1214	$\frac{7}{16}$
S-1216	$\frac{1}{2}$
S-1218	$\frac{9}{16}$
S-1219	$\frac{19}{32}$
S-1220	$\frac{5}{8}$
S-1222	$\frac{11}{16}$
S-1224	$\frac{3}{4}$
S-1225	$\frac{25}{32}$
S-1226	$\frac{13}{16}$
S-1228	$\frac{7}{8}$
S-1230	$\frac{15}{16}$
S-1232	1

HANDLE PARTS

- *S-1410 Reversible Ratchet — 10½" long.
- S-1211 Sliding T Handle.
- S-180 Universal Joint.
- S-1310 Extension Bar — 10" long.

* Can be furnished with S-158 Ratchet and Plug Connector at reduction of \$2.80 in list price.

S-816 Set, Complete with Metal Tool Box and S-1410 Reversible Ratchet:

List Price \$25.37

S-816 — Tool Box Size: 14¾ x 3 x 1⅞".

Total Net Weight: 7 lbs.

S-813 and S-816 are basic sets at minimum price that cover wide varieties of work and an excellent opportunity to the mechanic and home owner to start a good socket set.

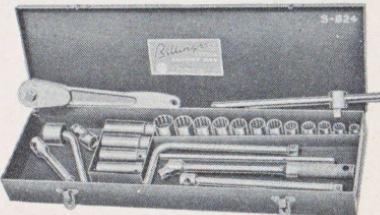
*Trade Mark Registered

BILLINGS Vitalloy $\frac{1}{2}$ " SQUARE DRIVE SOCKET SETS

S-824 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX REGULAR STANDARD

Socket Number	Nominal Opening	Socket Number	Nominal Opening
S-1214	$\frac{7}{16}$	S-1224	$\frac{3}{4}$
S-1216	$\frac{1}{2}$	S-1225	$\frac{25}{32}$
S-1218	$\frac{9}{16}$	S-1226	$\frac{13}{16}$
S-1219	$\frac{19}{32}$	S-1228	$\frac{7}{8}$
S-1220	$\frac{5}{8}$	S-1230	$\frac{15}{16}$
S-1222	$\frac{11}{16}$	S-1232	1



12 POINT, EXTRA DEEP, DOUBLE HEX

Socket Number	Nominal Opening	Length
SD-1222	$\frac{11}{16}$	3"
SD-1226	$\frac{13}{16}$	3"
SD-1228	$\frac{7}{8}$	$\frac{31}{4}$ "
SD-1230	$\frac{15}{16}$	$\frac{31}{4}$ "

HANDLE PARTS

- S-1018 Speeder — 18" long with Revolving Grip.
- S-1211 Sliding T Handle — 11" long.
- S-135 Extension Bar — 5" long.
- S-1310 Extension Bar — 10" long.
- S-180 Universal Joint.
- *S-1410 Reversible Ratchet — 10 $\frac{1}{2}$ " long.
- S-1112 Flex Handle — 12" long with Knurled Handle.
- SB-110 Flex Handle Bar.

* Can be furnished with Ratchet S-158 with Plug Connector at reduction of \$2.80 in list price.

S-825 DETACHABLE SOCKET SET

12 PT. DOUBLE HEX

Socket Number	Nominal Opening
S-1214	$\frac{7}{16}$
S-1216	$\frac{1}{2}$
S-1218	$\frac{9}{16}$
S-1219	$\frac{19}{32}$
S-1220	$\frac{5}{8}$
S-1222	$\frac{11}{16}$
S-1224	$\frac{3}{4}$
S-1225	$\frac{25}{32}$
S-1226	$\frac{13}{16}$
S-1228	$\frac{7}{8}$
S-1230	$\frac{15}{16}$
S-1232	1

8 PT. DOUBLE SQ.

Socket Number	Nominal Opening
S-814	$\frac{7}{16}$
S-816	$\frac{1}{2}$
S-818	$\frac{9}{16}$
S-820	$\frac{5}{8}$
S-824	$\frac{3}{4}$

HANDLE PARTS

- S-1018 Speeder — 18" long with Revolving Grip.
- S-1211 Sliding "T" Handle — 11" long.
- S-135 Extension Bar — 5" long.
- S-1310 Extension Bar — 10" long.
- S-180 Universal Joint.
- *S-1410 Reversible Ratchet — 10 $\frac{1}{2}$ " long.
- S-1112 Flex Handle — 12" long with Knurled Handle.
- SB-110 Flex Handle Bar.

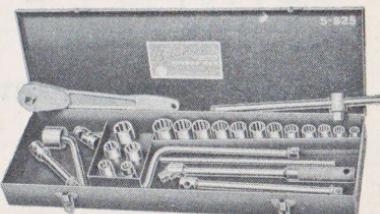
* Can be furnished with Ratchet S-158 with Plug Connector at reduction of \$2.80 in list price.

S-824 Set, Complete with Metal Tool Box and Reversible Ratchet S-1410.

List Price \$41.44

Total Net Weight: 14 lbs., 10 ozs.

S-824 — Tool Box Size: 21 $\frac{1}{2}$ x 6 $\frac{5}{8}$ x 2".



An all-round utility set containing twelve — 12 point double hex sockets, $\frac{7}{16}$ " to 1"; five — 8 point double square sockets, $\frac{7}{16}$ " to $\frac{3}{4}$ " and eight handle attachments. A practical, popular drive set for nearly all uses.

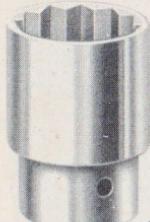
Set S-825, Complete with Metal Tool Box and Reversible Ratchet S-1410:

List Price \$40.06

S-825 — Tool Box Size: 21 $\frac{1}{2}$ x 6 $\frac{5}{8}$ x 2".

Total Net Weight: 13 lbs., 14 ozs.

BILLINGS Vitalloy $\frac{3}{4}$ " SQUARE DRIVE Detachable SOCKET



12 POINT
DOUBLE HEX

12 POINT • DOUBLE HEX

FINISH — CHROME PLATED

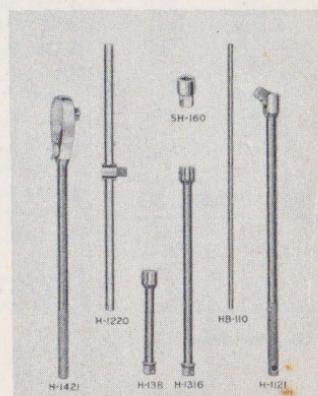
Number	List Price	Nominal Opening	Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Amer. Std. Hex Head Cap Screw Dia. Screws	Amer. Std. Light Nut (S.A.E.) Size Bolts	Amer. Std. Reg. Nut Size Bolts	Length	Weight Per Doz.	
								Lbs.	Ozs.
H-1234	\$1.32	1 $\frac{1}{16}$	$\frac{5}{8}$	—	$\frac{3}{4}$	—	2 $\frac{1}{16}$	4	14
H-1236	1.38	1 $\frac{1}{8}$	—	$\frac{7}{8}$	—	$\frac{3}{4}$	2 $\frac{1}{8}$	4	14
H-1238	1.38	1 $\frac{3}{16}$	—	—	—	—	2 $\frac{1}{8}$	6	—
H-1240	1.56	1 $\frac{1}{4}$	$\frac{3}{4}$	(*) ¹	$\frac{7}{8}$	—	2 $\frac{3}{16}$	6	2
H-1242	1.56	1 $\frac{5}{16}$	—	1	—	$\frac{7}{8}$	2 $\frac{3}{16}$	6	11
H-1244	1.56	1 $\frac{3}{8}$	—	* $1\frac{1}{8}$	—	—	2 $\frac{3}{16}$	6	14
H-1246	1.86	1 $\frac{7}{16}$	$\frac{7}{8}$	—	1	—	2 $\frac{1}{4}$	7	14
H-1248	1.86	1 $\frac{1}{2}$	—	* $1\frac{1}{4}$, $1\frac{1}{8}$	—	1	2 $\frac{5}{16}$	10	2
H-1250	2.00	1 $\frac{9}{16}$	—	—	—	—	2 $\frac{5}{16}$	12	—
H-1252	2.16	1 $\frac{5}{8}$	1	—	$\frac{1}{16}$	—	2 $\frac{3}{8}$	12	—
H-1254	2.70	$1\frac{1}{16}$	—	$\frac{1}{4}$	—	$\frac{1}{16}$	2 $\frac{7}{16}$	14	—
H-1256	2.70	1 $\frac{3}{4}$	—	—	—	—	2 $\frac{1}{2}$	14	4
H-1258	2.95	$1\frac{3}{16}$	$\frac{11}{16}$	—	$\frac{1}{4}$	—	2 $\frac{13}{16}$	16	12
H-1260	2.95	1 $\frac{7}{8}$	—	—	—	$\frac{1}{4}$	2 $\frac{7}{8}$	19	8
H-1264	3.50	2	$\frac{11}{16}$	—	$\frac{13}{16}$	—	3	20	12

*Old Style Cap Screw — Now Obsolete.

Detachable SOCKET PARTS • $\frac{3}{4}$ " SQUARE DRIVE

Number	List Price	DESCRIPTION	Weight Per Dozen	
			Lbs.	Ozs.
H-1421	\$11.15	Reversible Ratchet 21" long with Knurled Handle	56	4
H-1121	6.15	Flex Handle 21" long with Knurled Handle	20	11
HB-110	1.10	Flex Handle Bar — 20" long	9	14
H-1220	3.30	Sliding "T" Handle — 20" long	33	8
H-138	2.70	Extension 8" long	13	8
H-1316	3.30	Extension 16" long	25	6
SH-160	1.20	Adapter — $\frac{1}{2}$ " to $\frac{3}{4}$ " Increase — Adapts $\frac{1}{2}$ " Square Drive Handles and Parts to $\frac{3}{4}$ " Square Drive Sockets	4	3

* Trade Mark Registered



BILLINGS Vitalloy $\frac{3}{4}$ " SQUARE DRIVE SOCKET SETS

H-1212 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX

Socket Number	Nominal Opening
H-1234	1 $\frac{1}{16}$
H-1236	1 $\frac{1}{8}$
H-1240	1 $\frac{1}{4}$
H-1242	1 $\frac{5}{16}$
H-1246	1 $\frac{7}{16}$
H-1248	1 $\frac{1}{2}$
H-1252	1 $\frac{5}{8}$
H-1254	1 $\frac{11}{16}$
H-1258	1 $\frac{13}{16}$
H-1260	1 $\frac{7}{8}$
H-1264	2

HANDLE PARTS

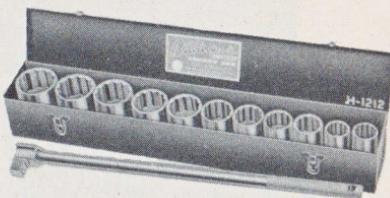
H-1121 Flex Handle — 21" long with Knurled Handle.

H-1212 Set, Complete with Tool Box:

List Price . . . \$33.07

H-1212 — Tool Box Size: 22 $\frac{7}{8}$ x 3 $\frac{1}{2}$ x 3 $\frac{1}{8}$ ".

Total Net Weight: 17 lbs., 8 ozs.



A Heavy Duty Set used in truck, bus and fleet owners' shops, which can also be used for industrial purposes. Contains eleven — 12 point double hex sockets and a flex handle.

H-1217 DETACHABLE SOCKET SET

12 POINT, DOUBLE HEX

Socket Number	Nominal Opening
H-1234	1 $\frac{1}{16}$
H-1236	1 $\frac{1}{8}$
H-1240	1 $\frac{1}{4}$
H-1242	1 $\frac{5}{16}$
H-1246	1 $\frac{7}{16}$
H-1248	1 $\frac{1}{2}$
H-1252	1 $\frac{5}{8}$
H-1254	1 $\frac{11}{16}$
H-1258	1 $\frac{13}{16}$
H-1260	1 $\frac{7}{8}$
H-1264	2

HANDLE PARTS

H-1421 Reversible Ratchet — 21" long with Knurled Handle.

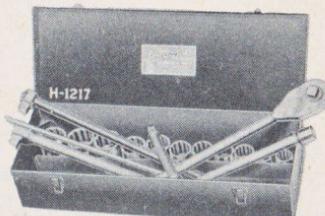
H-1220 Sliding "T" Handle — 20" long.

H-1121 Flex Handle — 21" long with Knurled Handle.

HB-110 Flex Handle Bar — 20" long.

H-138 Extension — 8" long.

H-1316 Extension — 16" long.



H-1217 Set, Complete with Tool Box:

List Price \$56.92

H-1217 — Tool Box Size: 22 $\frac{7}{8}$ x 7 $\frac{3}{4}$ x 3 $\frac{1}{2}$ ".

Total Net Weight: 33 lbs., 4 ozs.

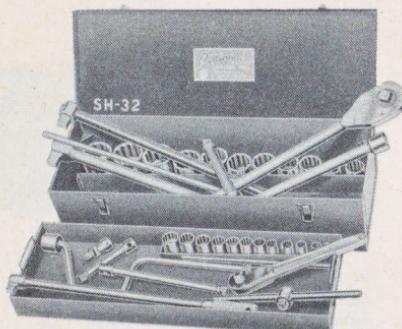
Rugged Heavy Duty Set used in truck, bus and fleet owners' shops. Also numerous uses in heavy work required by industrial millwrights. A complete set — contains eleven — 12 point double hex sockets and six handle attachments.

*Trade Mark Registered

BILLINGS Vitalloy $\frac{1}{2}$ " & $\frac{3}{4}$ " SQUARE DRIVE SOCKET SET

SH-32 DETACHABLE SOCKET SET

$\frac{1}{2}$ " SQ. DRIVE - 12 POINT, DOUBLE HEX



Most practical set devised for millwright use and for truck and fleet owners' use. Contains twelve — 12 point $\frac{1}{2}$ " square drive sockets from $\frac{7}{16}$ " to $1\frac{1}{16}$ " inclusive, and eight handle attachments for same. Also includes eleven — $\frac{3}{4}$ " square drive sockets from $1\frac{1}{16}$ " to 2" including only the popular sizes plus six handle attachments for same in metal case with tray.

HANDLE PARTS

$\frac{3}{4}$ " Square Drive Sockets

H-1421 Reversible Ratchet — 21" long with knurled handle.

H-1220 Sliding "T" Handle — 20" long.

H-138 Extension Bar — 8" long.

H-1316 Extension Bar — 16" long.

H-1121 Flex Handle — 21" long.

HB-110 Flex Handle Bar — 20" long.

* Can be furnished with S-158 Ratchet and Plug Connector at reduction of \$2.80 in list price.

SH-32 Set, Complete with Metal Tool Box and S-1410 Reversible Ratchet:

List Price \$92.88

SH-32 — Tool Box Size: $22\frac{7}{8}$ " x $7\frac{3}{4}$ " x $5\frac{1}{2}$ ".

Total Net Weight: 49 lbs.

Socket Number	Nominal Opening
S-1214	$\frac{7}{16}$
S-1216	$\frac{1}{2}$
S-1218	$\frac{9}{16}$
S-1219	$1\frac{9}{32}$
S-1220	$\frac{5}{8}$
S-1222	$1\frac{1}{16}$
S-1224	$\frac{3}{4}$
S-1225	$2\frac{5}{32}$
S-1226	$1\frac{3}{16}$
S-1228	$\frac{7}{8}$
S-1230	$1\frac{5}{16}$
S-1232	1

HANDLE PARTS

$\frac{1}{2}$ " Square Drive Sockets

*S-1410 Reversible Ratchet — $10\frac{1}{2}$ " long.

S-1018 Speeder with revolving grip — 18" long.

S-1211 Sliding "T" Handle — 11" long.

S-135 Extension Bar — 5" long.

S-1310 Extension Bar — 10" long.

S-1118 Flex Handle — 18" long.

SB-110 Flex Handle Bar — 11" long.

S-180 Universal Joint.

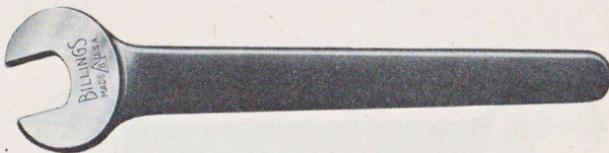
3/4" SQ. DRIVE - 12 POINT, DOUBLE HEX

Socket Number	Nominal Opening
II-1234	$1\frac{1}{16}$
II-1236	$1\frac{1}{8}$
II-1240	$1\frac{1}{4}$
II-1242	$1\frac{5}{16}$
II-1246	$1\frac{7}{16}$
II-1248	$1\frac{1}{2}$
II-1252	$1\frac{5}{8}$
II-1254	$1\frac{11}{16}$
II-1258	$1\frac{13}{16}$
II-1260	$1\frac{7}{8}$
II-1264	2

*Trade Mark Registered

Printed in U.S.A.

BILLINGS Carbon Steel 15° ANGLE SINGLE END **ENGINEERS'**



FINISH — BLACK CRACKLE WITH POLISHED HEADS.

No.	Price Finished	Milled Opening (Nominal)	Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Amer. Std. Hex Head Cap Screw Dia. Screws	Amer. Std. Light Nut (S.A.E.) Size Bolts	Amer. Std. Reg. Nut Size Bolts	Length (App.)	Thickness Head
S000	\$.28	3/16	—	—	—	*2, *3	3	5/32
S00	.28	1/4	—	—	—	*4	3 1/2	7/32
00	.28	5/16	—	—	—	*5, 16	3 1/2	7/32
700	.30	3/8	—	—	—	*10	4	1/4
0	.30	13/32	—	—	—	—	4	1/4
701	.36	7/16	—	1/4	1/4	*1/4, *12	4 5/8	9/32
1	.36	1/2	1/4	5/16	5/16	—	4 5/8	9/32
702	.44	9/16	—	3/8	3/8	5/16	5 1/2	5/16
2	.44	19/32	5/16	—	—	—	5 1/2	5/16
703	.52	5/8	—	7/16	7/16	3/8	6 3/8	11/32
3	.52	11/16	3/8	—	—	—	6 3/8	11/32
704	.64	3/4	—	1/2	1/2	7/16	7 1/4	5/8
4	.64	25/32	7/16	—	—	—	7 1/4	5/8
705	.76	13/16	—	9/16	—	1/2	8 1/8	7/16
5	.76	7/8	1/2	5/8	9/16	9/16	8 1/8	7/16
6A	.92	15/16	9/16	—	5/8	—	9 1/4	1/2
706	.92	1	—	3/4	—	5/8	9 1/4	1/2
7	1.14	1 1/16	5/8	—	3/4	—	10 1/2	9/16
707	1.14	1 1/8	—	7/8	—	3/4	10 1/2	9/16
8	1.50	1 1/4	3/4	—	7/8	—	12	5/8
8A	1.50	1 5/16	—	1	—	7/8	12	5/8
9	2.30	1 7/16	7/8	—	1	—	13 1/2	23/32
709	2.30	1 1/2	—	1 1/8, 1 1/4	—	1	13 1/2	23/32
10	3.20	1 5/8	1	—	1 1/8	—	15	25/32
10A	3.20	11/16	—	1 1/4	—	1 1/8	15	25/32
11	4.20	13/16	1 1/8	—	1 1/4	—	16 1/2	7/8
11A	4.20	1 7/8	—	—	—	1 1/4	16 1/2	7/8
12	5.70	2	1 1/4	—	1 3/8	—	18 1/4	15/16
12A	5.70	2 1/16	—	—	—	1 3/8	18 1/4	15/16
13	7.30	2 3/16	1 3/8	—	1 1/2	—	20	1
13A	7.30	2 1/4	—	—	—	1 1/2	20	1
14	9.20	2 3/8	1 1/2	—	—	—	22	11/16
14A	9.20	2 7/16	—	—	—	1 5/8	22	11/16
15	11.20	2 9/16	1 5/8	—	—	—	24	11/8
15A	11.20	2 5/8	—	—	—	1 3/4	24	11/8
16	13.40	2 3/4	1 3/4	—	—	—	27	17/32
16B	13.40	213/16	—	—	—	1 7/8	27	17/32
16A	13.40	215/16	1 7/8	—	—	—	27	17/32
17A	20.50	3	—	—	—	2	30	13/8
17	20.50	3 1/8	2	—	—	—	30	13/8
18A	29.50	3 3/8	—	—	—	2 1/4	34	11/2
18	29.50	3 1/2	2 1/4	—	—	—	34	11/2
19B	42.00	3 3/4	—	—	—	2 1/2	38	15/8
19	42.00	3 7/8	2 1/2	—	—	—	38	15/8
19C	42.00	4 1/8	—	—	—	2 3/4	38	15/8
19A	42.00	4 1/4	2 3/4	—	—	—	38	15/8
20B	62.00	4 1/2	—	—	—	3	42	17/8
20	62.00	4 5/8	3	—	—	—	42	17/8
20A	62.00	5	3 1/4	—	—	—	42	17/8

Nos. 17A to 20A inclusive have a hole drilled in end of handle.

*American Standard Machine and Stove Bolt Nuts.

†Old Style Cap Screw — Now Obsolete.

Old Style U.S.S. Nut — Now Obsolete.

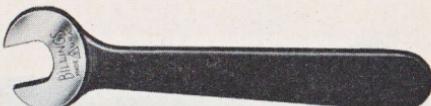
BILLINGS Carbon Steel 15° ANGLE DOUBLE END ENGINEERS'



FINISH — BLACK CRACKLE WITH POLISHED HEADS.

No.	Price Finished	Openings Milled (Nominal)	U.S. Std. Nuts Size Bolts	Hex Hd. Cap Screws Dia. Screws	S.A.E. Std. Nuts Size Bolts	Amer. Std. Reg. Nuts Size Bolts	Lgth. (A.P.P.)	Thick- ness Heads
721	\$.34	5/16 & 3/8	1/8 & —	1/8 & 3/16	— & —	— & —	4	1/4
723	.42	3/8 & 7/16	— & —	3/16 & 1/4	— & 1/4	— & 1/4	41/2	9/32
725	.50	7/16 & 1/2	— & 1/4	1/4 & 5/16	1/4 & 5/16	1/4 & —	5	5/16
725A	.50	7/16 & 9/16	— & —	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	5	5/16
725B	.50	1/2 & 9/16	1/4 & —	5/16 & 3/8	5/16 & 3/8	— & 5/16	51/2	5/16
25	.50	1/2 & 15/32	1/4 & 5/16	5/16 & —	5/16 & —	— & —	51/2	5/16
727	.62	9/16 & 5/8	— & —	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6	11/32
27	.62	19/32 & 11/16	5/16 & 3/8	— & —	— & —	— & —	61/2	3/8
27B	.62	5/8 & 17/16	— & 3/8	7/16 & —	7/16 & —	3/8 & —	61/2	3/8
28	.74	19/32 & 25/32	5/16 & 7/16	— & —	— & —	— & —	7	13/32
729	.74	5/8 & 3/4	— & —	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	7	13/32
29B	.74	11/16 & 3/4	3/8 & —	— & 1/2	— & 1/2	— & 7/16	7	13/32
29	.74	11/16 & 25/32	3/8 & 7/16	— & —	— & —	— & —	7	13/32
29C	.74	11/16 & 13/16	3/8 & —	— & 9/16	— & —	— & 1/2	7	13/32
731	.90	3/4 & 13/16	— & —	1/2 & 5/16	1/2 & —	7/16 & 9/16	91/4	15/32
731A	.90	3/4 & 7/8	— & 1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	91/4	15/32
31B	.90	25/32 & 15/16	7/16 & —	— & 9/16	— & —	— & 1/2	91/4	15/32
31	.90	25/32 & 7/8	7/16 & 1/2	— & 5/8	— & 9/16	— & 9/16	91/4	15/32
731B	.90	13/16 & 1/2	— & 1/2	9/16 & 5/8	— & 9/16	1/2 & 9/16	91/4	15/32
32B	1.10	13/16 & 15/16	— & —	9/16 & —	— & 5/8	1/2 & —	10	1/2
33A	1.10	7/8 & 15/16	1/2 & —	5/8 & —	9/16 & 5/8	9/16 & —	10	1/2
733	1.10	7/8 & 1	1/2 & —	5/8 & 3/4	9/16 & 11/16	9/16 & 5/8	10	1/2
34	1.36	7/8 & 11/16	1/2 & 5/8	5/8 & —	9/16 & 3/4	9/16 & —	11	19/32
34A	1.36	15/16 & 11/16	— & 5/8	— & —	5/8 & 3/4	— & —	11	19/32
735	1.36	1 & 1/8	— & —	3/4 & 7/8	11/16 & —	5/8 & 3/4	11	19/32
36B	1.36	1 1/16 & 1 1/8	5/8 & —	— & 7/8	3/4 & —	— & 3/4	11	19/32
37	1.92	1 1/16 & 1 1/4	5/8 & 3/4	— & 1	3/4 & 7/8	— & —	12	19/32
737	1.92	1 1/8 & 1 1/4	— & 3/4	7/8 & 1	— & 7/8	3/4 & —	12	19/32
37A	1.92	1 1/8 & 1 5/16	— & —	7/8 & —	— & —	3/4 & 7/8	12	19/32
39B	2.80	1 1/4 & 1 5/16	3/4 & —	1 & —	7/8 & —	— & 7/8	14	3/4
39	2.80	1 1/4 & 1 7/16	3/4 & 7/8	1 & —	7/8 & 1	— & —	14	3/4
39A	2.80	1 5/16 & 1 1/2	— & —	— & 11/4	— & —	7/8 & 1	14	3/4
39C	2.80	1 5/16 & 1 1/16	— & 7/8	1 1/8 & —	— & 1	— & —	14	3/4
41	3.80	1 7/16 & 1 5/8	7/8 & 1	— & —	1 & 11/8	— & —	16	13/16
41B	3.80	1 1/2 & 1 5/8	— & 1	11/4 & 13/8	— & 11/8	1 & —	16	13/16
42A	5.30	1 1/2 & 111/16	— & —	11/4 & —	— & —	1 & 11/8	17	15/16
43	5.30	1 1/8 & 113/16	1 & 11/8	13/8 & —	11/8 & 11/4	— & —	17	15/16
44A	7.20	111/16 & 1 7/8	— & —	— & —	— & —	11/8 & 11/4	20	1
45	7.20	113/16 & 2	11/8 & 11/4	— & —	11/4 & 13/8	— & —	20	1
45A	7.20	1 7/8 & 2 1/16	— & —	— & —	— & —	11/4 & 13/8	20	1
47	10.50	2 1/16 & 2	11/8 & 13/8	— & —	13/8 & 11/2	— & —	21	1
47B	10.50	2 1/16 & 2 1/4	— & —	— & —	— & —	13/8 & 11/2	21	1
49	14.00	2 3/16 & 2 3/8	13/8 & 11/2	— & —	1 1/2 & —	— & —	23	11/16
49A	14.00	2 1/4 & 2 7/16	— & —	— & —	— & —	1 1/2 & 15/8	23	11/16

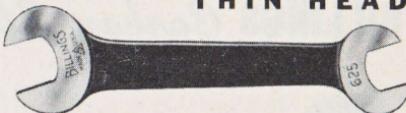
BILLINGS Carbon Steel 15° ANGLE SINGLE END CHECK NUT



FINISH — BLACK CRACKLE WITH POLISHED HEADS

No.	Price Finished	Milled Openings (Nominal)	U.S. Std. Jam Nuts Size Bolts	S.A.E. Std. Nuts Size Bolts	Amer. Std. Jam Nuts Size Bolts	Length (App.)	Thickness Heads
601A	\$.36	7/16	—	1/4	1/4	4	5/32
601	.36	1/2	1/4	5/16	—	4	5/32
602A	.44	9/16	—	3/8	5/16	43/4	11/64
602	.44	19/32	5/16	—	—	43/4	11/64
603A	.52	5/8	—	7/16	3/8	51/2	3/16
603	.52	11/16	3/8	—	—	51/2	3/16
604A	.64	3/4	—	1/2	7/16	61/4	7/32
604	.64	25/32	7/16	—	—	61/4	7/32
605A	.76	13/16	—	—	1/2	7	1/4
605	.76	7/8	1/2	9/16	9/16	7	1/4
606	.90	15/16	9/16	5/8	—	8	9/32
606B	.90	1	—	—	5/8	8	9/32
607	1.08	1 1/16	5/8	3/4	—	9	5/16
607A	1.08	1 1/8	—	—	3/4	9	5/16
608	1.36	1 1/4	3/4	7/8	—	10	3/8
608A	1.36	1 5/16	—	—	7/8	10	3/8
609	1.84	1 7/16	7/8	1	—	11 1/2	7/16
609A	1.84	1 1/2	—	—	1	11 1/2	7/16
610	2.60	1 5/8	1	1 1/8	—	13 1/2	1/2
610A	2.60	11 1/16	—	—	1 1/8	13 1/2	1/2

BILLINGS Carbon Steel 15° ANGLE DOUBLE END CHECK NUT THIN HEAD



No.	Price Finished	Milled Openings Nominal	Amer. Std. Heavy Jam Nut (U.S.S.) Size Bolts	Amer. Std. Light Nut (S.A.E.) Size Bolts	Amer. Std. Regular Jam Nut Size Bolts	Length (App.)	Thickness Heads	Weight	
								Lbs.	Oz.
623D	\$.50	7/16 & 1/2	— & 1/4	1/4 & 5/16	1/4 & —	4 1/2	11/64	—	1 1/2
624A	.50	7/16 & 9/16	— & —	1/4 & 3/8	1/4 & 5/16	4 1/2	11/64	—	1 1/2
624B	.50	1/2 & 9/16	1/4 & —	5/16 & 3/8	— & 5/16	4 1/2	11/64	—	1 1/2
625	.50	1/2 & 19/32	1/4 & 5/16	5/16 & —	— & —	4 1/2	11/64	—	1 1/2
626S	.64	9/16 & 5/8	— & —	3/8 & 7/16	5/16 & 3/8	5 1/2	3/16	—	3
627	.64	19/32 & 11/16	5/16 & 3/8	— & —	— & —	5 1/2	3/16	—	3
629D	.72	5/8 & 3/4	— & —	7/16 & 1/2	3/8 & 7/16	5 1/2	3/16	—	3
629	.72	11/16 & 25/32	3/8 & 7/16	— & —	— & —	7	7/32	—	4 1/2
630B	.80	3/4 & 13/16	— & —	1/2 & —	7/16 & 1/2	7	7/32	—	4 1/2
630E	.80	3/4 & 7/8	— & 1/2	1/2 & 9/16	7/16 & 9/16	7	7/32	—	4 1/2
631	.80	25/32 & 7/8	7/16 & 1/2	— & 9/16	— & 9/16	7	7/32	—	4 1/2
631A	.80	13/16 & 7/8	— & 1/2	— & 9/16	1/2 & 9/16	7	7/32	—	4 1/2
632C	1.12	7/8 & 15/16	1/2 & 9/16	9/16 & 5/8	9/16 & —	8 1/2	1/4	—	7 1/2
634A	1.12	7/8 & 1	1/2 & —	9/16 & —	9/16 & 5/8	8 1/2	1/4	—	7 1/2
634B	1.12	15/16 & 13/16	9/16 & 5/8	5/8 & 3/4	— & —	8 1/2	1/4	—	7 1/2
635D	1.68	1 & 11/8	— & —	— & —	5/8 & 3/4	10 1/2	9/4	—	13
637	1.68	11/16 & 11/4	5/8 & 3/4	3/4 & 7/8	— & —	10 1/2	9/32	—	13
637A	1.68	11/8 & 15/16	— & —	— & —	3/4 & 7/8	10 1/2	9/32	—	13
639	2.60	11/4 & 17/16	3/4 & 7/8	7/8 & 1	— & —	12 1/2	13 3/32	1	8
640A	2.60	15/16 & 11/2	— & —	— & —	7/8 & 1	12 1/2	13 3/32	1	8

BILLINGS Carbon Steel 22½° ANGLE SINGLE END SET SCREW



FINISH — BLACK CRACKLE WITH POLISHED HEADS.

Wrench Number	Price Finished	Milled Openings For Set Screws Size	Length	Thickness of Heads	Weight	
					Lbs.	Ozs.
500	\$.28	3/16	3	3/16	—	1/2
501	.34	1/4	3 3/4	1/4	—	1 1/4
502	.42	5/16	4 1/2	5/16	—	2
503	.50	3/8	5	11/32	—	3 1/2
504	.62	7/16	6	3/8	—	5
505	.76	1/2	6 3/4	7/16	—	8
506	.92	9/16	7 1/2	1/2	—	10 3/4
507	1.10	5/8	8 1/2	9/16	—	15
508	1.36	3/4	9 1/2	5/8	1	6 3/4
509	1.68	7/8	10 3/4	11/16	1	9
510	2.20	1	12	3/4	2	7
511	2.80	1 1/8	12	3/4	2	5

BILLINGS Carbon Steel 22½° ANGLE DOUBLE END SET SCREW



Number	Price Finished	Milled Openings For Set Screws Size	Length	Thickness of Heads	Weight	
					Lbs.	Ozs.
525	\$.48	1/4 & 5/16	4	1/4	—	15/8
527	.58	5/16 & 3/8	5	5/16	—	2 1/2
529	.70	3/8 & 7/16	6	1 1/32	—	5
531	.90	7/16 & 1/2	6 3/4	3/8	—	6 1/4
533	1.08	1/2 & 9/16	7 1/2	7/16	—	9 1/2
535	1.30	9/16 & 5/8	8 1/2	1/2	—	14
537	1.60	5/8 & 3/4	10	9/16	1	5
539	2.00	3/4 & 7/8	11 1/2	5/8	1	13 1/2
541	2.60	7/8 & 1	12 1/2	11/16	2	7 1/2

BILLINGS Carbon Steel STRAIGHT OPENING **STRUCTURAL OFFSET HEAD**



FINISH — HARDENED — NATURAL RUSTPROOF

Number	Price Hardened	Milled Opening (Nominal)	Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Amer. Std. Reg. Nut Size Bolts	Length	Thick- ness Heads	Handle Offset		Weight	
							At Head	At End	Lbs.	Ozs.
901A	\$.80	7/16	—	1/4	9 1/2	11 1/2	9/16	1 1/2	—	8
901	.80	1 1/2	1/4	—	9 1/2	11 1/2	9/16	1 1/2	—	8
901B	.80	9/16	—	5/16	9 1/2	11 1/2	9/16	1 1/2	—	8
902	.80	19/32	5/16	—	9 1/2	11 1/2	9/16	1 1/2	—	8
903A	1.05	5/8	—	3/8	12	7/16	13/16	11 1/16	—	10
903	1.05	11/16	3/8	—	12	7/16	13/16	11 1/16	—	10
904A	1.05	3/4	—	7/16	12	7/16	13/16	11 1/16	—	10
904	1.05	25/32	7/16	—	12	7/16	13/16	11 1/16	—	10
905A	1:40	13/16	—	1/2	14 1/2	17 1/2	15/16	1 7/8	1	3
905	1.40	7/8	—	9/16	14 1/2	17 1/2	15/16	1 7/8	1	3
906	1.40	31/32	9/16	—	14 1/2	17 1/2	15/16	1 7/8	1	3
906B	1.40	1	—	5/8	14 1/2	17 1/2	15/16	1 7/8	1	3
907	1.85	1 1/16	5/8	—	17	7/8	1 7/8	2 3/8	1	14
907A	1.85	1 1/8	—	3/4	17	5/8	1 7/8	2 3/8	1	14
908	2.35	1 1/4	3/4	—	19	11/16	1 5/16	2 3/4	2	12
908A	2.35	1 5/16	—	7/8	19	11/16	1 5/16	2 3/4	2	12
909	3.00	1 7/16	7/8	—	21	3/4	1 7/8	2 7/8	4	1
909A	3.00	1 1/2	—	1	21	3/4	1 7/8	2 7/8	4	1
910	4.10	1 5/8	1	—	22	13/16	1 7/16	3 5/16	6	1
910A	4.10	11 1/16	—	11/8	22	13/16	1 7/16	3 5/16	6	1
911	4.10	11 3/16	1 1/8	—	22	13/16	1 7/16	3 5/16	5	15
911A	4.10	1 7/8	—	1 1/4	22	13/16	1 7/16	3 5/16	5	15
912	6.15	2	1 1/4	—	25	7/8	1 5/8	31 1/16	7	8

BILLINGS Carbon Steel 15° ANGLE CONSTRUCTION SHORT TANG



FINISH — HARDENED — NATURAL RUSTPROOF

Number	Price Hardened	Milled Opening (Nominal)	Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Amer. Std. Reg. Nut Size Bolts	Length	Thickness of Head	Weight		
							Lbs.	Ozs.	
S203A	\$.95	5/8	—	—	3/8	9 1/2	13/32	—	8
S203	.95	11/16	3/8	—	7/16	9 1/2	13/32	—	8
S204A	.95	3/4	—	—	—	9 1/2	13/32	—	8
S204	.95	25/32	7/16	—	—	9 1/2	13/32	—	8
S205A	1.20	13/16	—	1/2	—	11 1/2	7/16	1	—
S205	1.20	7/8	1/2	9/16	—	11 1/2	7/16	1	—
S206	1.20	31/32	9/16	—	—	12 1/2	1/2	1	4 1/2
S206B	1.20	1	—	5/8	—	12 1/2	1/2	1	4 1/2
S207	1.55	1 1/16	5/8	—	—	14	9/16	1	7 1/2
S207A	1.55	1 1/8	—	3/4	—	14	9/16	1	7 1/2
S208	2.05	1 1/4	3/4	—	—	16	5/8	2	1
S208A	2.05	1 5/16	—	7/8	—	16	5/8	2	1
S209	2.70	1 7/16	7/8	—	—	17 1/2	11/16	2	13
S209A	2.70	1 1/2	—	1	—	17 1/2	11/16	2	13
S210	3.60	1 5/8	1	—	1 1/8	19	3/4	4	4 1/2
S210A	3.60	11 1/16	—	—	1 1/8	19	3/4	4	4 1/2
S211	5.30	11 3/16	1 1/8	—	—	21	7/8	6	14
S211A	5.30	1 7/8	—	1 1/4	—	21	7/8	6	14
S212	5.30	2	1 1/4	—	—	21	7/8	6	14

BILLINGS Carbon Steel 15° ANGLE BOX WRENCHES

SINGLE END HEX OPENING



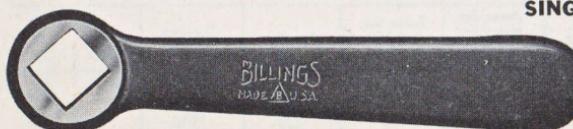
FINISH — BLACK CRACKLE WITH POLISHED HEADS

For an additional charge, angle of head can be changed by binding handle

No.	Price Finished	Nominal Size of Opening Across Flats	Amer. Std. Heavy Nut (U.S.S.)	Amer. Std. Hex. Head Cap Screw	Amer. Std. Light Nut (S.A.E.)	Amer. Std. Reg. Nut	Length (App.)	HEAD	
			Size Bolts	Dia. Screws	Size Bolts	Size Bolts		Thickness	Outside Diam.
800	\$.36	13/32	3/16	—	1/4	1/4	3 1/2	3/16	3/4
801A	.42	1/16	—	1/4	5/16	1/4	4	1/4	29/32
801	.42	1/2	1/4	5/16	5/16	—	4	1/4	29/32
802A	.50	9/16	—	3/8	3/8	5/16	4 7/8	9/32	13/32
802	.50	19/32	5/16	—	—	—	4 7/8	9/32	13/32
803A	.58	5/8	—	7/16	7/16	3/8	6	5/16	1 1/4
803	.58	11/16	3/8	—	—	—	6	5/16	1 1/4
804A	.70	3/4	—	1/2	1/2	7/16	7	11/32	1 3/8
804	.70	25/32	7/16	—	—	—	7	11/32	1 3/8
805A	.84	13/16	—	9/16	—	1/2	8	3/8	1 1/2
805	.84	7/8	1/2	5/8	9/16	9/16	8	3/8	1 1/2
806	1.00	15/16	9/16	—	5/8	—	9	7/16	1 5/8
806B	1.00	1	—	3/4	—	5/8	9	7/16	1 5/8
807	1.24	1 1/16	5/8	—	3/4	—	10	1/2	1 3/4
807A	1.24	1 1/8	—	7/8	—	3/4	10	1/2	1 3/4
808	1.56	1 1/4	3/4	—	7/8	—	11 1/2	9/16	2 1/16
808A	1.56	1 5/16	—	1	—	7/8	11 1/2	9/16	2 1/16
809	2.08	1 7/16	7/8	—	1	—	13	11/16	2 3/8
809A	2.08	1 1/2	—	1 1/8	—	1	13	11/16	2 3/8
810	2.80	1 5/8	1	—	1 1/8	—	15	3/4	2 5/8
810A	2.80	11/16	—	1 1/4	—	1 1/8	15	3/4	2 5/8
811	3.70	113/16	1 1/8	—	1 1/4	—	17	13/16	2 7/8
811A	3.70	1 7/8	—	—	—	1 1/4	17	13/16	2 7/8
812	4.80	2	1 1/4	—	1 3/8	—	19	7/8	3 1/4

BILLINGS Carbon Steel 22 1/2° ANGLE BOX WRENCHES

SINGLE END SQUARE OPENING



No.	Price Finished	Opening For Set Screw Size	Length	Thickness Heads	Weight	
					Lbs.	Ozs.
580	\$.30	3/16	3 1/4	9/32	—	7/8
581	.34	1/4	3 1/4	9/32	—	7/8
582	.40	5/16	4	3/8	—	2 1/4
583	.48	3/8	4	3/8	—	2 1/4
584	.56	7/16	5 1/4	15/32	—	4 1/8
585	.68	1/2	5 1/4	15/32	—	4 1/8
586	.82	9/16	6 3/4	9/16	—	8 1/4
587	1.00	5/8	6 3/4	9/16	—	8 1/4
588	1.24	3/4	8	3/4	—	12 1/2
589	1.62	7/8	9	11/16	1	—
590	2.10	1	10	3/4	1	7

BILLINGS Carbon Steel SPANNER WRENCHES



PIN

FINISH — LACQUERED

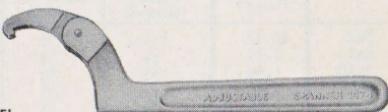
Number	Price Finished	Circle Diam.	Length Approx.	Fin. Diam. of Pin	Weight Oz.
452	\$.54	1	4	3/16	1 1/4
453	.58	1 1/4	4 1/2	13/64	1 5/8
454	.60	1 1/2	5	7/32	1 7/8
455	.62	1 3/4	5 1/2	15/64	2 3/4
456	.66	2	6	1/4	3
457	.70	2 1/4	6 1/2	17/64	3 3/4
458	.72	2 1/2	7	9/32	4 1/2
459	.78	2 3/4	7 1/2	19/64	5 1/4
460	.84	3	8	5/16	6 3/4
461	.90	3 1/4	8 1/2	21/64	7 7/8
462	.96	3 1/2	9	17/32	9 1/8
463	1.02	3 3/4	9 1/2	23/64	10
464	1.08	4	10	3/8	12 3/8



FINISH — BLACK LACQUERED

Number	Price Finished	Distance C. to C.	PINS Diam. Milled	Length	Radius of Span	Length End of Handle to Center of Pins	Thickness	Weight Ozs.
418	\$.60	1	3/16	3/16	11/32	4 1/2	3/16	2 1/2
420	.66	1 1/4	7/32	7/32	29/64	41 5/16	3/16	3 1/8
422	.74	1 1/2	7/32	7/32	9/16	5 3/8	3/16	3 7/8
424	.84	1 3/4	7/32	7/32	11/16	51 3/16	7/16	4 7/8
426	.96	2	1/4	1/4	13/16	6 1/4	7/32	5 1/2
428	1.10	2 1/4	1/4	1/4	15/16	61 1/16	7/32	6 3/4
430	1.28	2 1/2	9/32	9/32	1 3/64	7 1/8	1/4	8
432	1.48	2 3/4	9/32	9/32	11 1/64	7 5/8	1/4	9 1/8
434	1.70	3	5/16	5/16	119/64	8 1/8	1/4	11 1/2
436	1.94	3 1/4	5/16	5/16	113/32	8 9/16	1/4	13
438	2.20	3 1/2	5/16	5/16	133/64	9	1/4	13
440	2.50	3 3/4	5/8	5/16	1 5/8	9 1/2	1/4	15
442	2.90	4	3/8	5/16	1 3/4	10	1/4	15 1/4

BILLINGS Vitalloy® ADJUSTABLE HOOK SPANNER WRENCHES



FINISH — CHROME PLATED. MADE FROM SELECTED ALLOY STEEL

Number	Price Finished	Capacity for Circles Inches Diam.	Capacity for Slotted Navy Fire Hose Couplings	Extreme Length Approx.	THICKNESS		Depth of Hook
					Handle	Hook	
1471	\$ 3.05	3/4 to 2	— to —	63/8	1/4	11 1/32	1/8
1472	3.50	1 1/4 to 3	— to —	8 1/8	9/32	13 3/32	5/32
1474	4.85	2 to 4 3/4	1 1/2 to 2 1/2	11 1/8	5/16	15 3/32	3/16
1476	10.00	4 to 6 1/4	2 1/2 to 4	15 1/2	7/16	9 9/16	1/4

* Trade Mark Registered

BILLINGS Carbon Steel Adjustable SPANNER



MODEL "L"

FINISH — BLACK LACQUERED

Number	Price Finished	Takes Circles Inches	Size of Pin Inches	Length of Pin Inches	Length of Wrench Inches	Weight	
						Lbs.	Ozs.
0	\$1.50	3/4 to 2	3/16	1/8	7	—	3 1/4
1	1.65	2 to 4	1/4	1/4	9	—	7 3/4
2	1.85	2 to 4	5/16	1/4	9	—	9 1/2
3	2.75	2 to 4 3/4	1/4 to 3/8	1/4	10 1/8	1	3 7/8

BILLINGS Carbon Steel DOUBLE END TOOL POST FOR SET SCREWS



FINISH — BLACK CRACKLE WITH POLISHED HEADS

Number	Price Finished	Open End Set Screw Size	Closed End Set Screw Size	Length (Approx.)	Thickness of Heads	Weight	
						Lbs.	Ozs.
554	\$1.12	7/16	7/16	5 1/2	1/2	4 3/4	
555	1.24	1/2	1/2	6	9/16	7 1/4	
555B	1.24	9/16	1/2	6	9/16	7 1/4	
555C	1.24	9/16	9/16	6	9/16	7 1/4	
556	1.44	5/8	5/8	6 3/4	5/8	10 3/4	
556B	1.44	11/16	5/8	6 3/4	5/8	10 3/4	
556C	1.44	11/16	1 1/16	6 3/4	5/8	10 3/4	
557	1.64	3/4	3/4	7 1/2	11/16	14 1/2	



DOUBLE END FOR NUTS & SET SCREWS

No.	Price Finished	Milled Opening (Nominal)	Amer. Std. Heavy Nut (U.S.S.)	Closed End for Set Screw Size	Length (App.)	Thickness of Head	Weight	
							Lbs.	Ozs.
562	\$1.32	11/16	3/8	9/16	6 1/2	1/2	—	9 3/8
563	1.44	7/8	1/2	7/16	7 1/4	9/16	—	13
563B	1.44	7/8	1/2	1/2	7 1/4	9/16	—	13
563C	1.44	7/8	1/2	9/16	7 1/4	9/16	—	13
563D	1.44	7/8	1/2	5/8	7 1/4	9/16	—	13
564	1.64	1 1/16	5/8	5/8	7 1/4	1/2	—	12
565	1.94	1 1/16	5/8	3/4	8	5/8	1	3
566	2.40	1 1/4	3/4	3/4	9	11/16	1	9
566B	2.40	1 1/4	3/4	7/8	9	11/16	1	9
567	3.20	1 1/4	3/4	1	10 1/4	13/16	2	3
567B	3.20	1 7/16	7/8	7/8	10 1/4	13/16	2	3
567C	3.20	1 7/16	7/8	1	10 1/4	13/16	2	3
568	4.40	1 5/8	1	7/8	11	15/16	3	8
568B	4.40	1 5/8	1	1	11	15/16	3	8
568C	4.40	1 13/16	1 1/8	1	11 1/2	11/16	4	9
568D	4.40	2	1 1/4	1	11 1/2	11/16	4	9

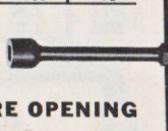
BILLINGS Carbon Steel "T" HANDLE SOCKET



FINISH — BLACK CRACKLE WITH POLISHED HEADS

HEX OPENING

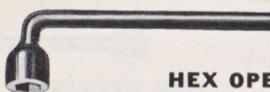
No.	Fin. Price with Pin- Handle	HEXAGON OPENINGS					Dia. of Head	Extreme Length (App.)	Size of Hex. on Handle End	Length of Pin- Handle
		Nominal Opening	Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Amer. Std. Cap Screw Dia. Screws	Amer. Std. Light Nut (S.A.E.) Size Bolts	Amer. Std. Reg. Nut Size Bolts				
961A	\$.80	5/16	1/8	—	—	—	1/2	4	13 3/2	4
962D	.88	3/8	—	3/16	—	—	5/8	47/16	1/2	4 1/2
963A	.98	13/32	3/16	—	—	—	5/8	41/2	1/2	4 1/2
963D	.98	7/16	—	1/4	1/4	1/4	21/32	41/2	1/2	4 1/2
964A	1.04	1/2	1/4	5/16	5/16	5/16	7/8	51/4	19/32	5 1/4
965D	1.16	9/16	—	5/8	5/8	5/16	7/8	53/4	1 1/16	5 3/4
965A	1.16	19/32	5/16	—	—	—	7/8	53/4	1 1/16	5 3/4
966D	1.26	5/8	—	7/16	7/16	3/8	11/8	61/8	25/32	6 1/8
967A	1.42	11/16	3/8	—	—	—	11/8	61/8	25/32	6 1/8
967D	1.42	3/4	—	1/2	1/2	7/16	63/16	7	25/32	6 1/8
968A	1.54	25/32	7/16	—	—	—	11/4	7	7/8	7
968D	1.54	13/16	—	9/16	—	1/2	11/4	7	7/8	7
969A	1.74	7/8	1/2	5/8	9/16	9/16	11/4	7	7/8	7
970S	1.96	15/16	—	5/8	—	5/8	11/2	77/8	1 1/16	77/8
970D	1.96	1	—	3/4	—	5/8	11/2	8	1 1/16	77/8
971A	2.20	1 1/16	5/8	—	3/4	—	15/8	85/8	1 1/4	85/8
971D	2.20	1 1/8	—	7/8	—	3/4	15/8	85/8	1 1/4	85/8
973A	3.00	1 1/4	3/4	1	7/8	—	17/8	95/16	1 1/4	9 1/8
973B	3.00	1 5/16	—	—	—	7/8	1 1/8	95/16	1 1/4	9 1/8
975A	3.70	1 7/16	7/8	—	1	—	21/8	10	1 7/16	10
975D	3.70	1 1/2	—	11/4	—	1	21/8	10	1 7/16	10
976A	4.24	1 5/8	1	13/8	11/8	—	21/2	107/8	1 5/8	107/8
976B	4.24	11 1/16	—	—	—	1 1/8	21/2	107/8	1 5/8	107/8
977A	4.80	113/16	1 1/8	—	11/4	—	21/2	113/16	1 5/8	107/8
978A	5.70	2	1 1/4	—	13/8	—	23/4	113/16	113/16	113/8



SQUARE OPENING

No.	Fin. Price with Pin- Handle	SQUARE OPENINGS				Diameter of Head	Extreme Length (App.)	Size of Hex. on Handle End	Length of Pin- Handle	
		Nominal Opening	Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Set Screw Size	Amer. Std. Reg. Nut Size Bolts					
961H	\$.80	3/16	—	3/16	—	1/2	315/16	13 3/2	4	
961J	.80	1/4	—	1/4	—	1/2	4	13 3/2	4	
962H	.88	5/16	—	5/16	—	5/8	4 7/16	1/2	4 1/2	
963H	.98	3/8	—	3/8	—	3/4	5 3/16	19/32	5	
965H	1.16	7/16	—	7/16	1/4	7/8	511/16	11/16	53/4	
966H	1.26	1/2	1/4	1/2	—	1	6	25/32	6 1/8	
967H	1.42	9/16	—	9/16	5/16	11/8	6	25/32	6 1/8	
968H	1.54	5/8	—	5/8	3/8	11/4	6 7/8	7/8	7	
968P	1.54	11/16	3/8	—	—	11/4	6 7/8	7/8	7	
969H	1.74	3/4	—	3/4	7/16	11/2	711/16	1 1/16	77/8	
971H	2.20	7/8	1/2	7/8	9/16	15/8	8 1/2	1 1/4	85/8	
973H	3.00	1	—	—	5/8	17/8	9 7/8	1 1/4	9 1/8	
974H	3.40	11/8	—	11/8	3/4	21/8	913/16	1 7/16	10	
976H	4.24	11/4	3/4	11/4	—	21/8	913/16	1 7/16	10	
977X	4.80	17/16	7/8	—	—	21/2	1011/16	1 5/8	107/8	
977P	4.80	11/2	—	—	1	23/4	11 3/16	113/16	113/8	

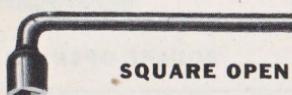
BILLINGS Carbon Steel Offset Handle SOCKET



HEX OPENING

FINISH — BLACK LACQUERED

No.	Price Finished	Nominal Opening	HEXAGONAL OPENINGS				Diameter of Head	Length of Handle	From Face of Wrench to Handle
			Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Amer. Std. Cap Screw Dia. Screw	Amer. Std. Light Nut (S.A.E.) Size Bolts	Amer. Std. Reg. Nut Size Bolts			
261A	\$.60	5/16	1/8	—	—	—	1/2	3 1/4	3/4
262D	.66	5/8	—	5/16	—	—	5/8	4	13 1/16
263A	.72	13/32	3/16	—	—	—	5/8	4	13 1/16
263D	.72	7/16	—	1/4	1/4	1/4	2 1/32	4	13 1/16
264A	.78	1/2	1/4	5/16	5/16	—	3/4	4 3/4	1 1/4
265D	.88	9/16	—	5/8	5/8	5/16	7/8	5 7/8	1 7/16
265A	.88	19/32	5/16	—	—	—	7/8	5 7/8	1 7/16
266D	.96	5/8	—	7/16	7/16	3/8	1	6 1/4	11 1/16
267A	1.08	11/16	3/8	—	—	—	1 1/8	7	1 3/4
267D	1.08	3/4	—	1/2	1/2	7/16	1 1/8	7	1 3/4
268A	1.20	25/32	7/16	—	—	—	1 1/4	7 3/4	2
268D	1.20	13/16	—	9/16	—	1/2	1 1/4	7 3/4	2
269A	1.38	7/8	1/2	5/8	9/16	9/16	1 1/4	8 3/4	2
270S	1.56	15/16	—	—	5/8	—	1 1/2	9 7/8	2 1/4
270D	1.56	1	—	—	11/16	5/8	1 1/2	9 7/8	2 1/4
271A	1.80	1 1/16	5/8	—	3/4	—	1 5/8	10	2 1/2
271D	1.80	1 1/8	—	7/8	3/4	—	1 5/8	10	2 1/2
273A	2.40	1 1/4	3/4	1	7/8	—	1 7/8	11 5/8	3
273B	2.40	1 5/16	—	—	—	7/8	1 7/8	11 5/8	3
275A	3.00	1 7/16	7/8	—	1	—	2 1/8	13 1/4	3 3/8
275D	3.00	1 1/2	—	11/4	—	1	2 1/8	13 1/4	3 3/8
276A	3.44	1 5/8	1	13/8	1 1/8	—	2 1/2	14 7/8	31 1/16
276B	3.44	11 1/16	—	—	—	1 1/8	2 1/2	14 7/8	31 1/16
277A	3.90	11 3/16	11/8	—	1 1/4	—	2 1/2	16 1/2	4
278A	4.80	2	1 1/4	—	1 3/8	—	2 3/4	18 1/4	4 3/8



SQUARE OPENING

No.	Price Finished	Nominal Opening	SQUARE OPENING				Diameter of Head	Length of Handle	From Face of Wrench to Handle
			Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Set Screw Size	Amer. Std. Reg. Nut Size Bolts				
261J	\$.60	1/4	—	1/4	—	—	1/2	3 1/4	3/4
262H	.66	5/16	1/8	5/16	—	—	5/8	4	13 1/16
263H	.72	3/8	—	3/8	—	—	3/4	4 3/4	1 1/4
265H	.88	7/16	—	7/16	1/4	—	7/8	5 7/8	1 7/16
266H	.96	7/2	1/4	1/2	—	—	1	6 1/4	11 1/16
267H	1.08	9/16	—	9/16	5/16	—	1 1/8	7	1 3/4
268H	1.20	5/8	—	5/8	3/8	—	1 1/4	7 3/4	2
268P	1.20	1 1/16	3/8	3/4	—	—	1 1/4	7 3/4	2
269H	1.38	3/4	—	3/4	7/16	—	1 1/2	8 1/2	2 3/16
271H	1.80	7/8	1/2	7/8	9/16	—	1 5/8	10	2 1/2
273H	2.40	1	—	1	5/6	—	1 7/8	11 5/8	21 5/16
274H	2.70	1 1/8	—	1 1/8	3/4	—	2 1/8	12 3/8	3 5/16
276H	3.44	1 1/4	3/4	—	—	—	2 1/8	14 7/8	3 5/16

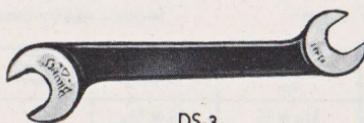
BILLINGS Carbon Steel TEXTILE WRENCHES



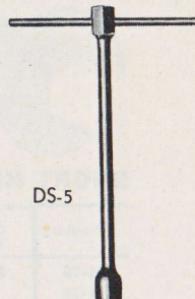
DS-0



DS-2



DS-3



DS-5

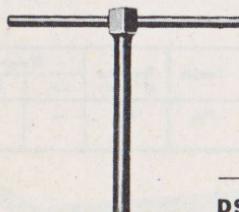
FINISH — BLACK CRACKLE WITH POLISHED HEADS.

DRAPER LOOM

Number	Price	Size Openings	For	Length Approx.	Thickness of Heads	Weight	
						Lbs.	Ozs.
DS0	\$.46	3/8 & 9/16	3/16 & 3/8 Cap Screw	4 1/2	1/4	—	2
DS2	.52	3/8 & 1/2	3/8 & 1/2 Set Screw	5	5/16	—	3
DS3	.76	5/8 & 3/4	7/16 & 1/2 Cap Screw	7	13/32	—	7
DS5	1.20	25/64	3/8 Set Screw	7 3/4	3/4*	—	6

*Diameter of Head.

BILLINGS Vitalloy TEXTILE WRENCHES



FINISH—HEAVY CHROME PLATE OVER COPPER AND NICKEL

DS-6M T-HANDLE SOCKET



Length of Shank	28"
Diam. of Shank	5/8"
Length of Pin Handle	10"
Broached Opening	33/64"
For Set Screw, Size	1/2"
Weight	3 Lbs.
Price, Chrome Plated	\$2.82

* Trade Mark Registered

BILLINGS Vitalloy TEXTILE WRENCHES



SHORT HEAVY "S"

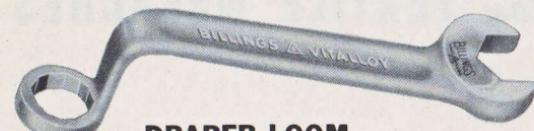
FINISH — HEAVY CHROME PLATE OVER COPPER AND NICKEL

Number	Price Chrome Plated	Hex. Head Cap Screw Size	Milled Openings	Length Approx.	Thickness of Heads	Weight	
						Lbs.	Ozs.
M-70	\$.62	3/16 & 1/4	3/8 & 7/16	4	7/32	—	1 1/2
M-71	.85	5/16 & 3/8	1/2 & 9/16	4 3/4	9/32	—	3 1/2



LOOM

Number	Price Chrome Plated	Hex. Head Cap Screw Size	S.A.E. Std. Screw and Nut	Milled Openings	Length App.	Thickness of Heads	Weight	
							Lbs.	Ozs.
M-34	\$1.23	7/16 & 1/2	7/16 & 1/2	5/8 & 3/4	7	3/8	—	8 1/8



DRAPER LOOM

Draper Number	Price Chrome Plated	For	Size Openings	Length	Thickness of Heads	Weight	
						Lbs.	Ozs.
DS-4M	\$2.00	7/16 & 1/2 U.S. Bolt 5/8 Cap Screw	25/32 & 7/8	7 1/4	3/8	—	7

45° SHORT DS-7



45° LONG DS-8

BOX - DOUBLE HEX - HEAVY TYPE

Number	Price Chrome Plated	Openings (Nominal)	Amer. Std. Heavy Nut (U.S.S.) Size Bolts	Amer. Std. Hex. Head Cap Screws Die. Screws	Amer. Std. Light Nut (S.A.E.) Size Bolts	Amer. Std. Reg. Nuts Size Bolts	Length (App.)	Weight	
								Lbs.	Ozs.
DS-7	\$1.18	5/8 & 3/4	— & —	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	6 1/2	—	4
DS-8	1.41	3/4 & 7/8	— & 1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	10	—	11

* Trade Mark Registered

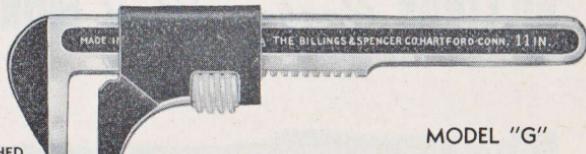
BILLINGS Carbon Steel DOUBLE END CAR WRENCHES



FINISH — HARDENED — NATURAL RUSTPROOF

No.	Price Hardened	Milled Openings (Nominal)	Amer. Std. Heavy Nuts (U.S.S.) Size Bolts	Amer. Std. Reg. Nuts Size Bolts	Length	Thickness Heads	Weight	
							Lbs.	Ozs.
367A	\$1.50	5/8 & 13/16	— & —	3/8 & 1/2	12	7/16	1	43/4
367	1.50	11/16 & 7/8	3/8 & 1/2	— & 9/16	12	7/16	1	43/4
370C	2.50	13/16 & 7/8	— & —	1/2 & 9/16	19	1/2	3	6
370D	2.50	7/8 & 1	1/2 & —	9/16 & 5/8	19	1/2	3	5
370	2.50	7/8 & 1 1/16	1/2 & 5/8	9/16 & —	19	1/2	3	33/4
370B	2.50	1 & 1 1/8	— & —	5/8 & 3/4	19	1/2	3	33/4
372A	3.10	1 1/16 & 1 1/4	5/8 & 3/4	— & —	20	9/16	3	14
373	3.10	1 1/8 & 1 5/16	— & —	3/4 & 7/8	20	9/16	4	—
376A	3.70	1 1/4 & 1 7/16	3/4 & 7/8	— & —	21	9/16	4	10
376	3.70	1 5/16 & 1 1/2	— & —	7/8 & 1	21	9/16	4	81/2
378A	4.50	1 7/16 & 1 5/8	7/8 & 1	— & —	22	5/8	6	3
379	4.50	1 1/2 & 11/16	— & —	1 & 11/8	22	5/8	6	1
382A	5.30	1 5/8 & 13/16	1 & 1 1/8	— & —	23	5/8	7	8
382	5.30	11/16 & 1 7/8	— & —	1 1/8 & 1 1/4	23	5/8	7	5
383B	6.30	1 7/8 & 2 1/4	— & —	1 1/4 & 1 1/2	24	5/8	7	10
385	6.30	1 13/16 & 2	1 1/8 & 1 1/4	— & —	24	5/8	7	8
389	9.00	2 & 2 3/8	1 1/4 & 1 1/2	— & —	24	3/4	8	7
389B	9.00	2 3/16 & 2 3/8	1 3/8 & 1 1/2	— & —	24	3/4	8	5

BILLINGS Carbon Steel Adjustable WRENCHES

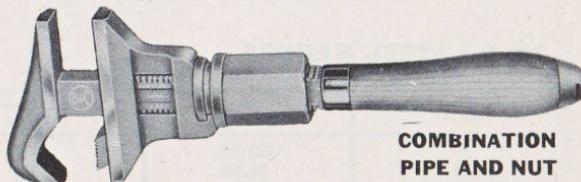


THE BILLINGS & SPENCER CO., HARTFORD, CONN., 11 IN.

MODEL "G"

FINISH — BLACK CRACKLE AND POLISHED

Number	Price	Total Length Inches	Opens Inches	Thickness of Jaw Inches	Depth of Jaw Inches	Weight	
						Lbs.	Ozs.
9	\$1.70	9	25/8	3/8	1 1/4	—	14 1/2
11	2.05	11	3	7/16	1 1/2	1	8
15	4.15	15	3 5/8	9/16	1 3/4	3	8



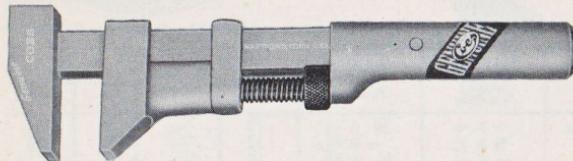
COMBINATION
PIPE AND NUT

FINISH — NATURAL RUSTPROOF

Size Inches	Price Per Doz.	Opens Inches	For Pipe Size	Weight per Doz. Lbs.
15	\$48.00	3 3/8	1/4 — 1 1/4	54

BILLINGS Carbon Steel "COES" WRENCHES

Genuine

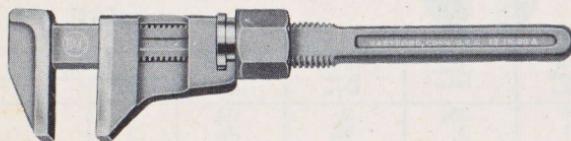


NO. 91 STEEL HANDLE

FINISH — NATURAL RUSTPROOF

Size Inches	Price Per Doz.	Opens Inches	Weight per Doz. Lbs.
10	\$22.00	1 $\frac{3}{4}$	27
12	28.00	2 $\frac{1}{4}$	45
15	38.00	2 $\frac{5}{8}$	60
18	48.00	3	85
21	58.00	4 $\frac{1}{8}$	112

BILLINGS Carbon Steel MONKEY WRENCHES



NO. 90 STEEL HANDLE

FINISH — NATURAL RUSTPROOF

Size Inches	Price Per Doz.	Opens Inches	Weight per Doz. Lbs.
10	\$22.00	1 $\frac{3}{4}$	21
12	28.00	2 $\frac{1}{4}$	34
15	38.00	3	52
18	48.00	4	71
21	58.00	5	96

April, 1948

LITHO USA